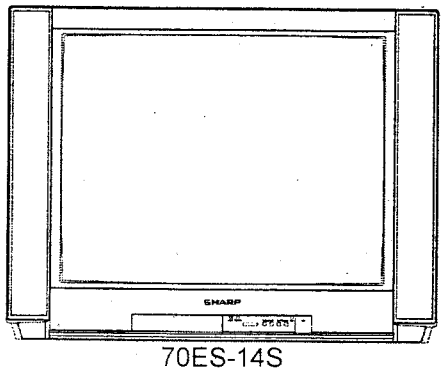
70ES-14S
70ES-16S

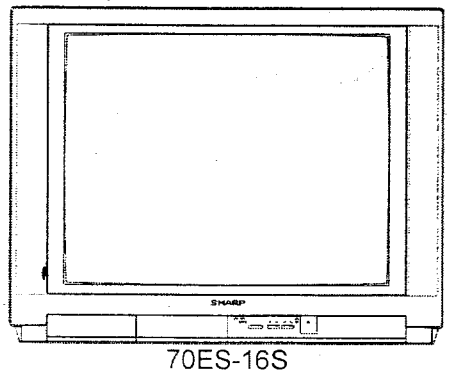
SHARP SERVICE MANUAL

SEMV60ES16/2

DA100 - CHASSIS



70ES-14S



70ES-16S

PAL SYSTEM COLOUR TELEVISION

MODELS **70ES-14S** **70ES-16S**

In the interests of user safety (required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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SHARP CORPORATION

ELECTRICAL SPECIFICATIONS

Aerial Input Impedance.....75 ohm unbalanced
Convergence.....Self Converging System
Focus.....Bipotential electrostatic
Audio Power Output Rating.....10+10W (M.P.O.)
Picture IF Carrier Frequency .....38.9 MHz
a) Sound IF Carrier Frequency .....33.4 MHz
b) Sound IF Carrier Frequency.....33.16 MHz
Colour Sub-Carrier Frequency.....34.47 MHz (Nominal)

Power Input .....220/240 Volts AC 50 Hz
Power Consumption at Stand-by.....3W
Power Consumption .....110 Wh
Speakers Size.....13cmX6cm
Speaker Coil Impedance .....7 ohm
Sweep Deflection.....Magnetic
FIELD SCAN .....100 HZ
Tuning Ranges.....48.25 MHz ÷ 855.5 MHz CATV Special channels

Specifications are subject to change without prior notice.

WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.
To prevent electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.

IMPORTANT SERVICE NOTES

Maintenance and repair of this receiver should be carried out by qualified service personnel only.

SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove static charge from it by connecting a 10 k ohm resistor in series with an insulated wire (such as test probe) between picture tube ground tag and high voltage lead. (AC line cord should be disconnected from AC outlet).

1. Picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage completely.

X-RAY

This receiver is designed so that any X-Ray radiation is kept to an absolute minimun. Since certain malfunctions ar servicing may produce potentially hazardous radiation with prolonged exposure at close range, the following precautions should be observed.

1. When repairing the circuit, be sure not to increase the high voltage to more than 30.0 kV (at beam 1000 μA) for the set.
2. To keep the set in a normal operation, be sure to make it function on 23.5kV ± 1.5kV (at beam 1000 μA) in the case of the set. The set has been factory adjusted to the above mentioned high voltage. If there is a possibility that high voltage fluctuates as result of the repairs, never forget to check for such high voltage after the work.
3. Do not substitute a picture tube with unauthorized types or brands which may cause excess X-Ray radiation.

BEFORE RETURNING THE RECEIVER

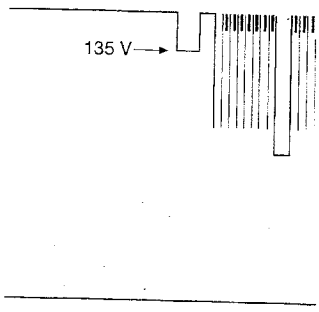
In addition to the checks necessary as a result of a repair having been carried out, the following additional safety checks should also be made before returning the units to the user.

1. Inspect all lead insulation to make certain that leads are not pinched or that harvare is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating fishpapers, cabinet backs, adjustament and compartament covers or shields, insolation resistor-capacity networks, mechanical insulators, etc.

SERVICE ADJUSTMENTS

All the adjustments required for this chasis will be done in Service Mode, except G2 and Focus.

• G2 ADJUSTMENT



1. Receive cross hatch pattern signal.
2. Set contrast to 80/100 and brightness to 40/100.
3. Connect the oscilloscope to the red cathode and adjust G2 to read 135V on the sensor pulse as in below drawing:

NOTE:
Osciloscope should be adjustated for vertical
TV field trigger and synchronized with video signal.

• SERVICE MODE FUNCTION

This mode function is provided to assist with the settings of those adjustment that may vary from one Picture Tul to another, or between models.

In order to use the Service Mode

1. Connect Test Pattern signal to antenna terminal.
2. Press main switch to "OFF".
3. Press volume-down and channel-up buttons and main switch to "ON" simultaneously.
4. Service mode is now entered.

The required adjustments can then be made from the Remote Control Unit.
The only buttons required are the following:
Up/Down-channel for movement in adjustment options menu; Up/Down-volume are used to carry out an adjustment in said menu; ON/OFF is used to memorize a new adjustment.

Adjustment menu is an follows:

— SERVICE SOFTWARE AND HEXADECIMAL COUNTER DISPLAY"
SW ON XXXX SW OFF XXXX HOURS ON XXXX
— HORIZONTAL SHIFT
— EAST WEST WIDTH
— PIN PHASE
— PIN AMP
— UPPER CORNER CORRECTION
— LOWER CORNER CORRECTION
— VERTICAL LINEARITY
— VERTICAL ANGLE
— VERTICAL BOW
— VERTICAL AMPLITUDE
— S CORRECTION
— VERTICAL SHIFT
— RED GAIN
— GREEN GAIN
— BLUE GAIN
— RED CUT OFF
— GREEN CUT OFF
— BLUE CUT OFF
— ALTER NVM PAGE / ALTER NVM POSITION / ALTER NVM VALUE
— TELETEXT MIX MODE CONTRAST
— TELETEXT CONTRAST
— OSD CONTRAST
— DVCO ADJUSTMENT (Only PAL)
— DVCO ADJUSTMENT (Only NTSC)
— LUMA CHROMA DELAY (Automatically adjusted)
— AGC ADJUSTMENT
— AFT ADJUSTMENT
— OPC VALUE (Not Available in this model).
— AUTOINSTALLATION ON/OFF

To exit service mode, press main switch to OFF.

Adjustment Note:

All adjustments for Geometries are bases on internal pattern (fig. 1)
The procedure for making adjustments is as follows:

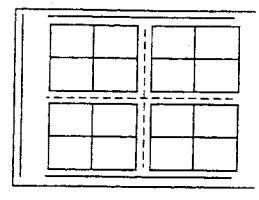


Fig. 1

Horizontal

— Adjust HORIZONTAL SHIFT
— Adjust E-W WIDTH
— Adjust PIN PHASE
— Adjust PIN AMPLITUDE
— Adjust UPPER CORNER CORRECTION
— Adjust LOWER CORNER CORRECTION

Vertical

— Adjust VERTICAL AMPLITUDE
— Adjust S-CORRECTION
— Adjust VERTICAL SHIFT
— Adjust VERTICAL LINEARITY
— Adjust VERTICAL ANGLE
— Adjust VERTICAL BOW

1 - HORIZONTAL SHIFT

a) Internal pattern signal will be displayed.
b) When volume-up button is pressed, picture moves to the left.
c) When volume-down button is pressed, picture moves to the right.
d) Adjust the horizontal location to obtain picture centering (fig. 2).

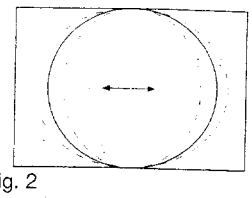


Fig. 2

2 - E-W WIDTH

a) Internal pattern signal will be displayed.
b) When volume-up button is pressed, horizontal scanning increases.
c) When volume-down button is pressed, horizontal scanning decreases.
d) Adjust the horizontal amplitude to obtain 9% overscan (fig. 3).

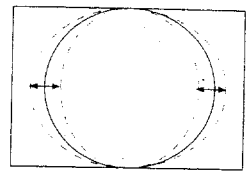


Fig. 3

3 - PIN PHASE

a) Internal pattern signal will be displayed.
b) When volume-up button is pressed, slide pincushion changes.
c) When volume-down button is pressed, slide pincushion changes.
d) Adjust the PIN PHASE to obtain condition as in (fig. 4).

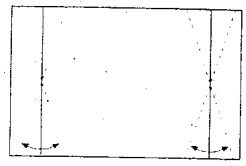


Fig. 4

4 - PIN AMPLITUDE

a) Internal pattern signal will be displayed.
b) When volume-up button is pressed, slide pincushion changes from pincushion to barrel shape.
c) When volume-down button is pressed, slide pincushion changes from barrel to pincushion shape.
d) Adjust the PIN AMPLITUDE to obtain condition as in (fig. 5).

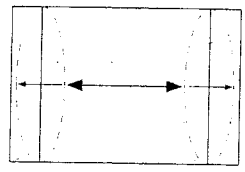


Fig. 5

5 - UPPER CORNER CORRECTION

a) Internal pattern signal will be displayed.
b) When volume-up button is pressed, slide pincushion changes from pincushion to barrel shape.
c) When volume-down is pressed, slide pincushion changes from barrel to pincushion shape.
d) Adjust the UPPER CORNER CORRECTION to obtain condition as in (fig. 6).

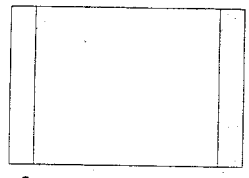


Fig. 6

6 - LOWER CORNER CORRECTION

a) Internal pattern signal will be displayed.
b) When volume-up button is pressed, slide pincushion changes from pincushion to barrel shape.
c) When volume-down button is pressed, slide pincushion changes from barrel to pincushion chape.
d) Adjust the LOWER CORNER CORRECTION to obtain condition as in (fig. 7).

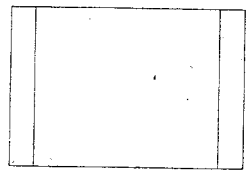


Fig. 7

7 - VERTICAL LINEARITY

a) Internal pattern signal will be displayed.
b) When volume-up button is pressed, upper picture scanning decreases and lower picture scanning increase.
c) When volume-down button is pressed, upper picture scanning increases and lower picture scanning decreases.
d) Adjust the vertical symmetry to obtain symmetrical scanning between upper and lower picture (fig. 8).

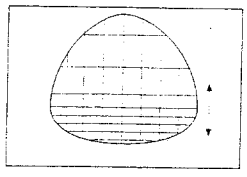


Fig. 8

8 - VERTICAL ANGLE

a) Internal pattern signal will be displayed.
b) When volume-up button is pressed, vertical angle changes to the right.
c) When volume-down button is pressed, vertical angle changes to the left.
d) Adjust the VERTICAL ANGLE to botain condition as in (fig. 9).

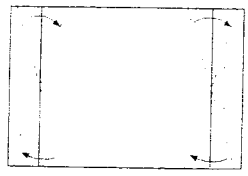


Fig. 9

9 - VERTICAL BOW

a) Internal pattern signal will be displayed.
b) When volume-up button is pressed, vertical bow changes to the right.
c) When volume-down button is pressed, vertical bow changes to the left.
d) Adjust the VERTICAL BOW to obtain condition as in (fig. 10).

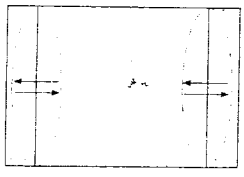


Fig. 10

10 - VERTICAL AMPLITUDE

a) Internal pattern signal will be displayed.
b) When volume-up button is pressed, vertical size of picture increases.
c) When volume-down button is pressed, vertical size of picture decreases.
d) Adjust the vertical size to obtain overscan (fig. 11)

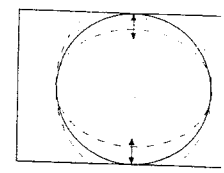


Fig. 11

11 - S-CORRECTION

a) Internal pattern signal will be displayed.
b) When volume-up button is pressed, upper and lower scanning decreases, and center scanning increases.
c) When volume-down button is pressed, upper and lower scanning increases, and center scanning decreases.
d) Adjust the S-correction to obtain a balance between upper, lower and center (fig. 12).

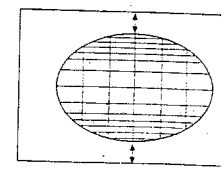


Fig. 12

12 - VERTICAL SHIFT

a) Internal pattern signal will be displayed.
b) When volume-up button is pressed, picture moves up.
c) When volume-down button is pressed, picture moves down.
d) Adjust the horizontal location to obtain picture centering (fig. 13).

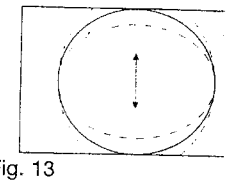


Fig. 13

COLOUR ADJUSTMENT

The following adjustments are only requiered when Picture Tube of IC6004 is changed:

1. RED CUT OFF / GREEN CUT OFF / BLUE CUT OFF

1.1 Adjust G2.
1.2 Tune a white card.
1.3 Adjust colour to minimum.
1.4 Position colourimeter in the center of screen.
1.5 Adjust brightness and contrast to obtain a luminance of ≈ 20 NITS.
1.6 Operate in Service Mode and select location RED CUT OFF / GREEN CUT OFF / BLUE CUT OFF, to obtain colour coordinates:

X = 0.290 ± 0.015 Y = 0.300 ± 0.015

To increase press volume-up button and to decrease press volume down button

RED CUT OFF	alter "X" coordinate
GREEN CUT OFF	alter "Y" coordinate
BLUE CUT OFF	alter "X" and "Y" coordinate

1.7 The changes introduced can be memorized by pressing button ⏻ on TV set.

2. RED GAIN / GREEN GAIN / BLUE GAIN

2.1 Using brightness and contrast buttons, select a luminance of ≈ 110 NITS.
2.2 Operate again in Service Mode and select location RED GAIN / GREEN GAIN BLUE GAIN, to obtain colour coordinates:

X = 0.290 ± 0.015 Y = 0.300 ± 0.015

To increase press volume-up button and to decrease press volume-down button

RED GAIN	alter "X" coordinate
GREEN GAIN	alter "Y" coordinate
BLUE GAIN	alter "X" and "Y" coordinate

2.3 The changes introduced can be memorized by pressing button ⏻ on TV set.
2.4 Exit Service Mode and check colour coordinates "X" and "Y" at 20 and 110 NITS. It may be necessary to repeat procedure 1 and 2 of COLOUR ADJUSTMENT.

ACCESS TO NVM

Press CH∧to move in the following secuence:

ALTER NVM PAG → ALTER NVM POS → ALTER NVM VAL
to alter preseting adjustments, press up/down-volume buttor on ALTER NVM VAL.

⚠ CAUTION: Do not change NVM VALUE to avoid risk of serious damages to TV set.

CONTRAST ADJUSTMENT

Up/Down-volume buttons are used to adjust the contrast of t following items:
- TELETEXT MIX MODE CONTRAST
- TELETEXT CONTRAST
- OSD CONTRAST

DVCO ADJUSTMENT (PAL)

a) Receive Philips pattern signal.
b) When Stand-by button is pressed (Remote Control Unit), start automatically the adjustment.

DVCO ADJUSTMENT (NTSC)

Adjustment not required.

AUTO INSTALLATION OFF/ON

When ON is selected, the TV will perform the autoinstallation secuence as soon as service mode is removed.

PROTECTIONS CANCEL

a) Connect Test Pattern signal to antenna terminal.
b) Press main switch to OFF.
c) Press volume-down and channel-up buttons and main switch to ON simultaneously.
d) "Service software Vxx.xx" appears on screen.
e) Press main switch to OFF.

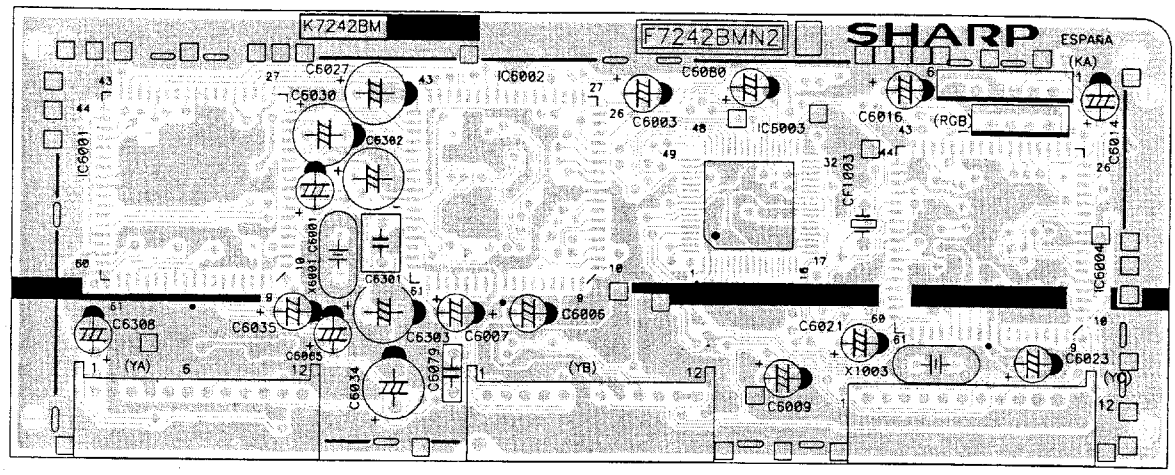
AGC ADJUSTMENT:

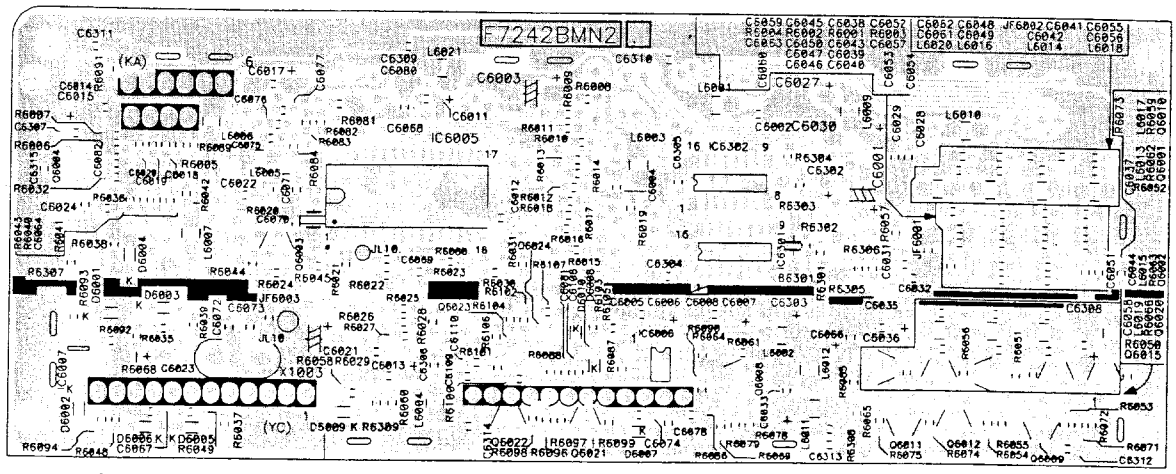
a) Tune the TV intoCH10 (pattern generator).
b) Adjust the signal strenght to 57 dbμv.
c) press the stand-by button on the Remote Control (red button).
The TV will perform automatically the AGC Adjustment.

AFT ADJUSTMENT:

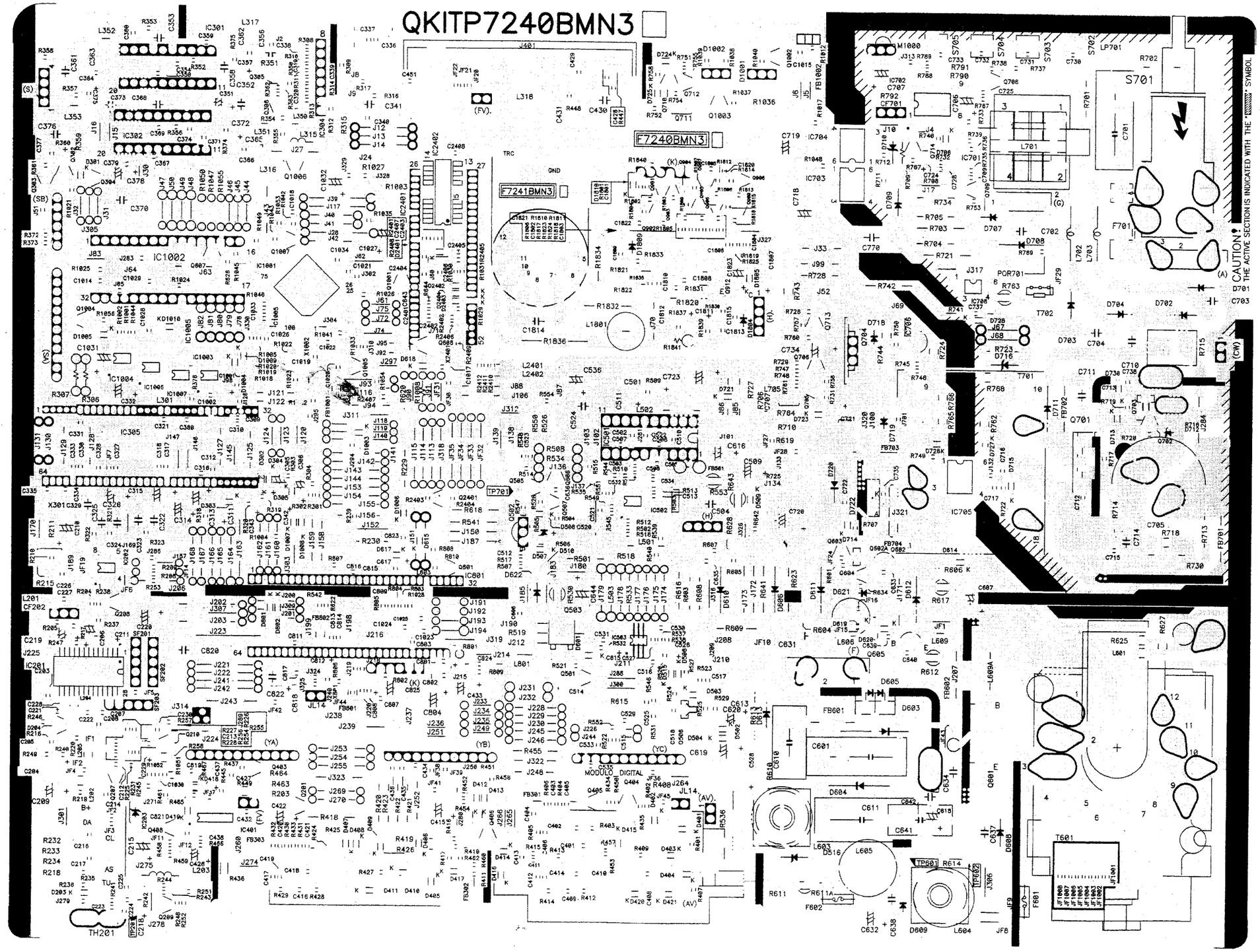
a) Tune the TV intoCH69 (pattern generator).
b) Press the stand-by button on the Remote Control (red button).
The TV will perform automatically the AGC Adjustment.

PRINTED 100 Hz WIRING BOARD

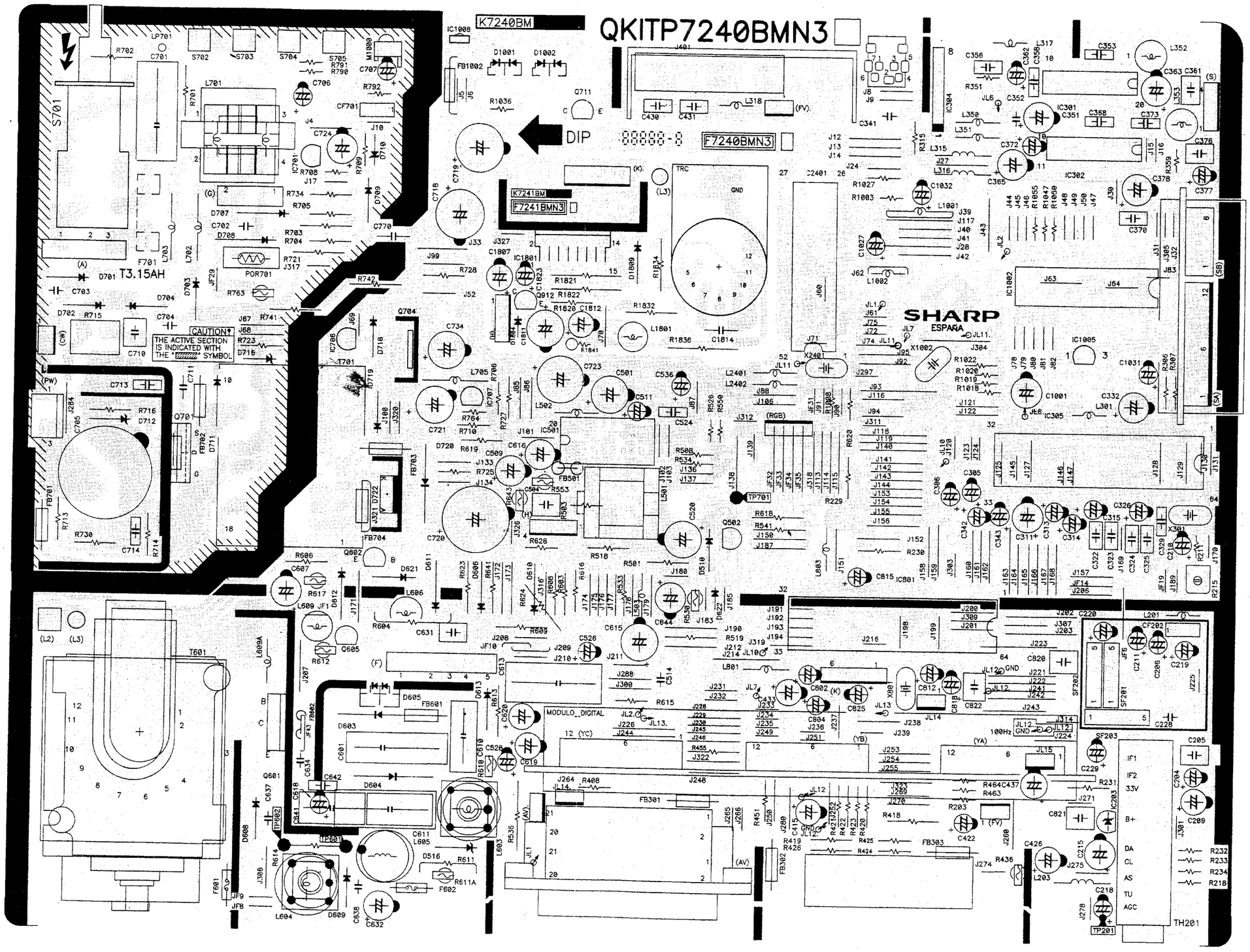




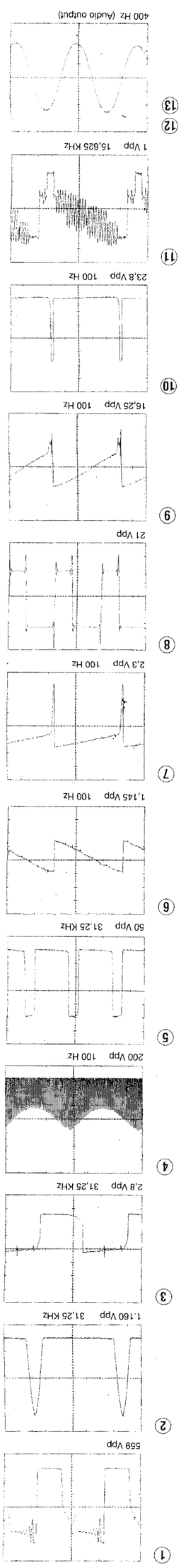
PRINTED MOTHER WIRING BOARD



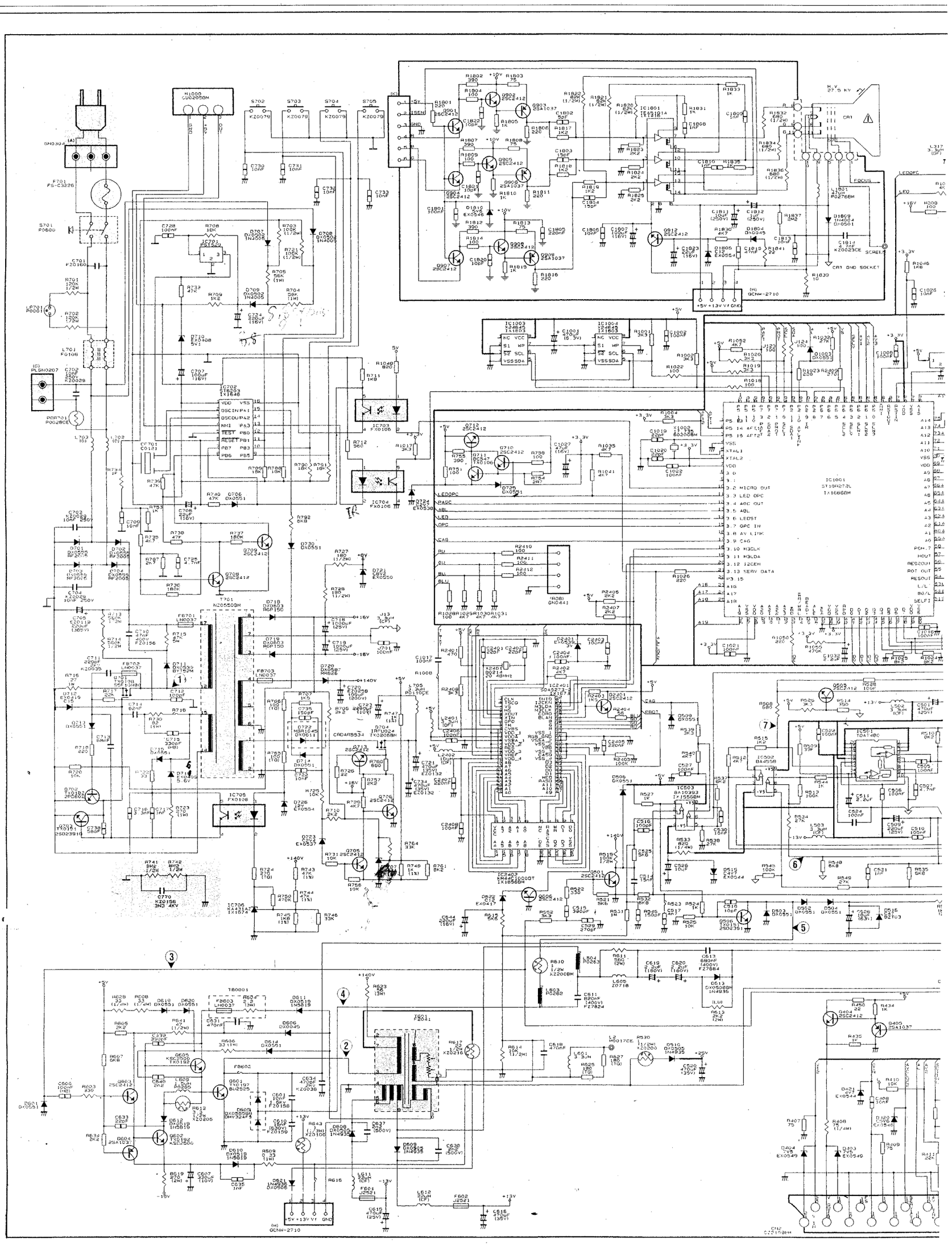
PRINTED MOTHER WIRING BOARD



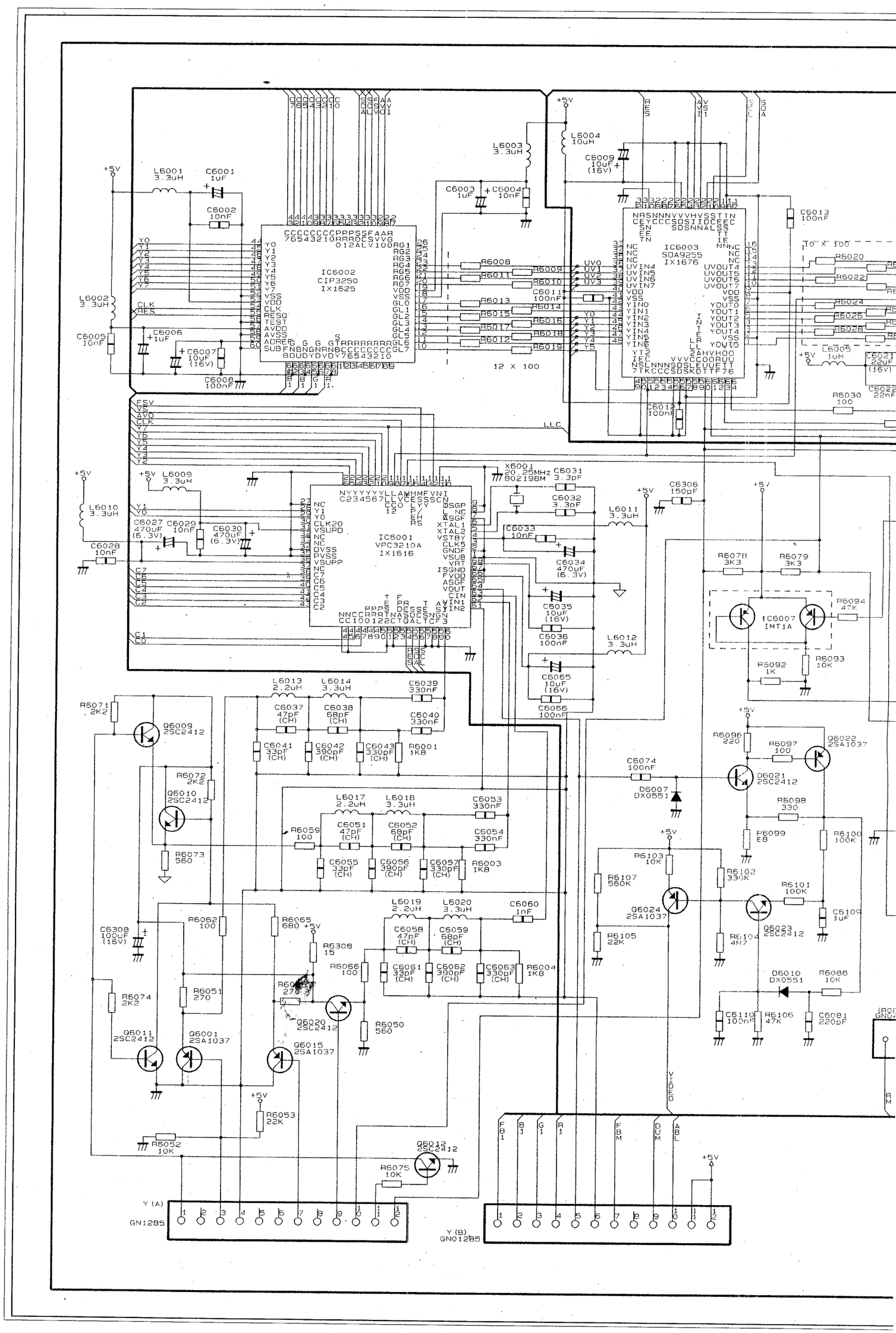
18	17	16	15	14	13	12	11	10

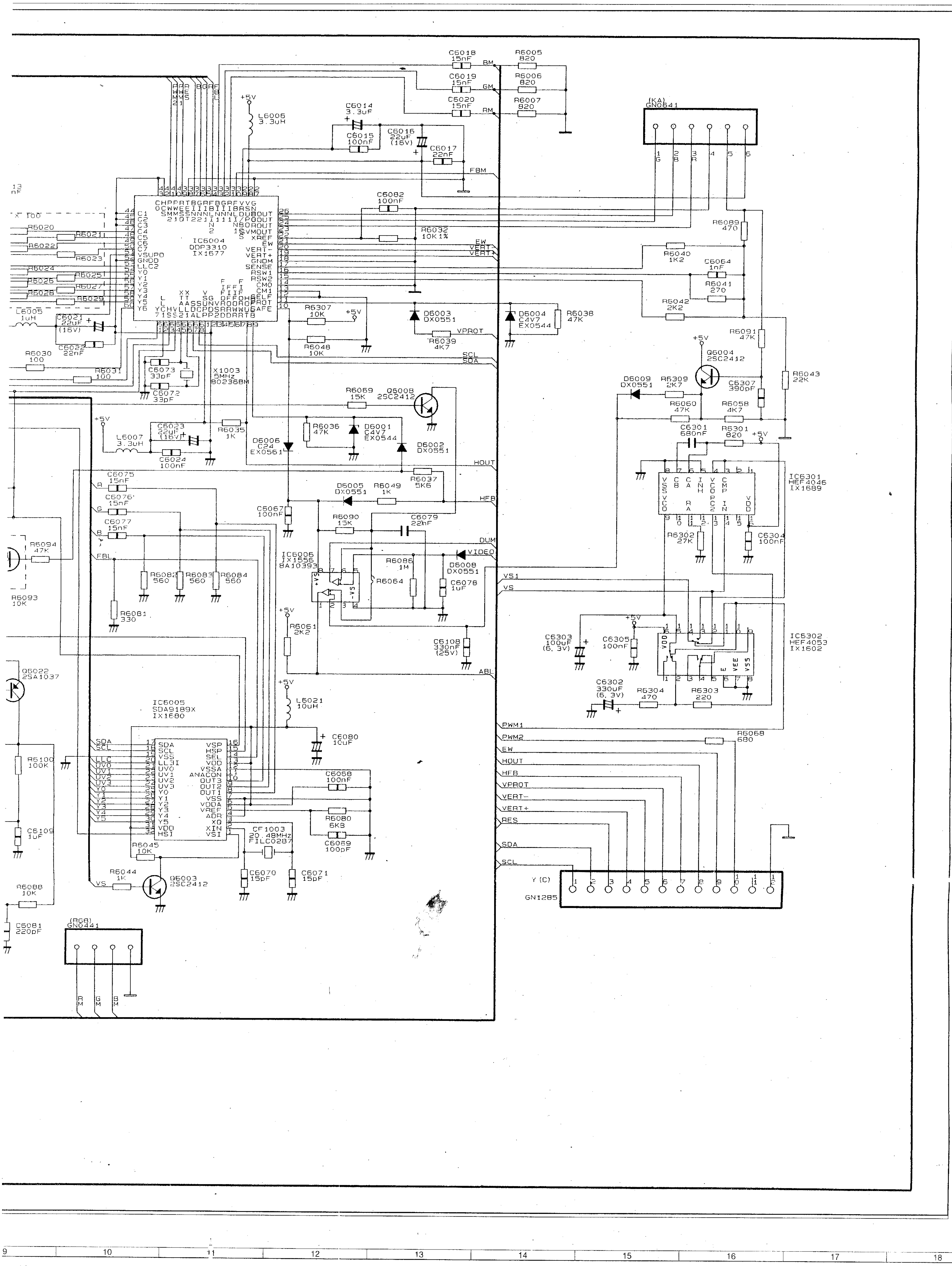


SCHEMATIC DIAGRAM MOTHER UNIT



SCHEMATIC DIAGRAM 100 Hz UNIT




IC6004
DDP3310
IX1677
IC6005
SDA9189X
IX1680
IC6006
IX1556
BA10393
IC6301
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IX1689
IC6302
HEF4053
IX1602
(KA)
GN0641
(RGB)
GN0441
Y (C)
GN1285
C6018
15nF
C6019
15nF
C6020
15nF
R6005
820
R6006
820
R6007
820
C6014
3.3uF
C6015
100nF
C6016
22uF
(16V)
C6017
22nF
L6006
3.3uH
C6082
100nF
R6032
10K 1%
R6089
470
R6040
1K2
C6064
1nF
R6041
270
R6042
2K2
R6307
10K
R6048
10K
D6003
DX0551
R6039
4K7
D6004
C4V7
EX0544
R6038
47K
R6091
47K
Q6004
2SC2412
R6043
22K
D6009
DX0551
R6309
2K7
C6307
390pF
R6060
47K
R6058
4K7
C6301
680nF
R6301
820
R6302
27K
C6304
100nF
C6303
100uF
(6, 3V)
C6305
100nF
C6302
330uF
(6, 3V)
R6304
470
R6303
220
R6068
680
L6005
1uH
C6021
22uF
(16V)
C6022
22nF
R6030
100
R6031
100
C6073
33pF
C6072
33pF
X1003
5MHz
B0236BM
R6069
15K
Q6008
2SC2412
L6007
3.3uH
C6023
22uF
(16V)
C6024
100nF
R6035
1K
R6036
47K
D6001
C4V7
EX0544
D6006
C24
EX0561
D6002
DX0551
C6075
15nF
C6076
15nF
C6077
15nF
R6094
47K
R6093
10K
R6037
5K6
D5005
DX0551
R6049
1K
C6067
100nF
R6090
15K
C6079
22nF
R6086
1M
R6064
D6008
DX0551
C6078
1uF
R6082
560
R6083
560
R6084
560
R6081
330
R6061
2K2
C6108
330nF
(25V)
Q6022
2SA1037
L6021
10uH
C6080
10uF
R6100
100K
C6068
100nF
R6080
6K8
C6059
100pF
CF1003
20.48MHz
FILC0287
C6109
1uF
R6045
10K
C6070
15pF
C6071
15pF
R6044
1K
Q6003
2SC2412
R6088
10K
C6081
220pF
R6020
R6021
R6022
R6023
R6024
R6025
R6026
R6027
R6028
R6029
BM
GM
RM
FBM
EW
VERT-
VERT+
VPROT
SCL
SDA
HOUT
HFB
DUM
VIDEO
VS1
VS
ABL
FBL
PWM1
PWM2
RES
+5V

BLOCK DIAGRAM

TH 201 TUNER
IF
SF201 SAW
SF202 SAW
IF IC 201 TDA 4472
FM AUDIO
CVBS
I²C
IC 305 MSP 3400 C
SCART AUDIO L
SCART AUDIO R
AUDIO L
AUDIO R
IC 301
IC 302
IC 304
+16V
-16V
AUDIO OUT L
AUDIO OUT R
Q304 Q302 Q303 AUDIO PROTECTOR
Q305 Q306 MUTE
MAIN AUDIO L
MAIN AUDIO R
HEADPHONE CONNECTOR

MOD. DIGITAL
21 PINS A/V
21 PINS RGB
IC 6001 VPC 3210 A VIDEO PROCESSOR
IC 6002 CPI 3250 A COMPONENT INTERFACE PROCESSOR
IC 6003 SDA 9255 SCAN RATE CONVERTER
IC 6004 DDP 3310 DISPLAY DEFLETION PROCESSOR
IC 6005 SDA 9189 X PIP PROCESSOR
IC 6302 HEF4053
IC6301 HEF4046
Y_D
C_D
RGB
R
G
B
V.OUT
H.OUT

MOD. CRT
Q901 Q902 Q903
Q904 Q905 Q906
Q907 Q908 Q909
IC 1801
TEA5101A
DEFLECTION COILS
C.R.T.
H.V.
HORIZONTAL DEFLECTION

IC502 BA4558 DRIVER
IC501 TDA7480 POWER VERTICAL
+13V
-13V
Q502 Q503 FLYBACK VERTICAL

MAIN POWER
M 1000
IR DETECTOR
ACH V.
A VOL V
S 701
F 701
L 701
IC 704
IC 703
IC 702 µP POWER STBY CONTROL
µP COMUNICATION
ADG COIL
PCT
PR 701
ON/STBY
+5V
RESET
IC 701
D 701
D 704
C 705
T 701
+ 16V AUDIO
- 16V
+ 140V (F.B.T.)
Q 703 DRIVER
Q 701
Q 702
Q 704 Q 713 Q 706 Q 705 IC 707
+5V DIGITAL
IC 705
IC 706
R 770
R 742

IC 1001 ST 10 R 272 L µP
M^3L
IC 2401 SDA 5273S MT TEXT
IC 2402 DRAM
I^2C
I^2C_2
IC1003 NVM
IC1004 NVM
IC 1000 27C4000 EPROM

Q 603 Q 605 Q604 Q602 H. DRIVE
Q601 POWER H. OUT
Q501
IC503 E/W DRIVE
Q506 E/W MODULATOR
D605
+140V
HV
F
SC
+13V
-13V

PARTS LIST
REPLACEMENT PARTS

Replacement parts which have special safety characteristics are identified in this manual. Electrical components having such features are identified by ⚠ in the Replacement Parts list.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended is not permitted. Replacement parts not shown in this service manual may create shock fire, or other hazards.

HOW TO ORDER REPLACEMENT PARTS

To have your order completed promptly and correctly please supply the following information.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

★ MARK: SPARE PARTS DELIVERY SECTION

REF. NO	PARTS	★	DESCRIPTION	CODE
PICTURE TUBE				
⚠	VB66EAK0714*N	S	C.R.T. 70ES14S	CU
⚠	VB66EHJ4338*N	S	C.R.T. 70ES16S	CQ
⚠	CCILG0404BMV0	S	Degaussing Coil 28"	AV
PRINTED WIRING BOARDS				
PWB - A	DUNTK7240CJV2	S	Mother Unit 70ES14S	--
PWB - A	DUNTK7240CJV1	S	Mother Unit 70ES16S	--
PWB - B	DUNTK7241BMV2	S	Socket Unit 70ES14S	--
PWB - B	DUNTK7241BMV1	S	Socket Unit 70ES16S	--
PWB - C	DUNTK7242BMV2	S	100Hz Unit 70ES14S	--
PWB - C	DUNTK7242BMV1	S	100Hz Unit 70ES16S	--
	DSETU7240CJV2	S	Complete Chassis 70ES14S	--
	DSETU7240CJV1	S	Complete Chassis 70ES16S	--
PWB-A	**MOTHER UNIT**			
	TUNER			
TH 0201	RTUNH0123BMZZ	S	Tuner	BA
	INTEGRATED CIRCUITS			
IC 0201	RH-IX1672BMZZ	S	TDA4472-MFL	AP
IC 0202	RH-IX1556BMZZ	S	BA10393 S0P8	AD
IC 0203	RH-IX0037CEZZ	S	UPC574J 33V	AD
IC 0301	VHITDA7480/-1	S	TDA7480	AK
IC 0302	VHITDA7480/-1	S	TDA7480	AK
IC 0304	VHIM5218L//-1	S	M5218L	AF
IC 0305	RH-IX1690BMZZ	S	MSP3400C	BB
IC 0501	VHITDA7480/-1	S	TDA7480	AK
IC 0502	VHIBA4558//-1	S	BA4558	AC
IC 0503	RH-IX1556BMZZ	S	BA10393 S0P8	AD
IC 0701	VHIPST529C2-1	S	PST529C	AD
IC 0702	RH-IX1646BMZZ	S	ST6203B	AL
⚠ IC 0703	RH-FX0106BMZZ	S	M0C8106SR2V	AD
⚠ IC 0704	RH-FX0106BMZZ	S	M0C8106SR2V	AD
⚠ IC 0705	RH-FX0106BMZZ	S	M0C8106SR2V	AD
IC 0706	RH-IX1674BMZZ	S	KA431AZ	AD
IC 0707	RH-IX1674BMZZ	S	KA431AZ	AD
IC 1001	RH-IX1686BMZZ	S	ST10R272L	AW
IC 1002	CH-IX1664CJS6	S	EPROM 70ES16/14S	AW
IC 1003	RH-IX1603BMZZ	S	NVM X24645S8	AV
IC 1004	RH-IX1603BMZZ	S	NVM X24645S8	AV
IC 1005	VHIPST529C2-1	S	PST529C	AD
IC 2401	RH-IX1673BMZZ	S	SDA5273-2	BE
IC 2402	RH-IX1656BMZZ	S	DRAM	AY
	TRANSISTORS			
Q 0201	VS2SA1037KQ-1	S	BC807	AA
Q 0209	VS2SC2412KQ-1	S	2SC2412	AA
Q 0302	VS2SC2412KQ-1	S	2SC2412	AA
Q 0303	VS2SC2412KQ-1	S	2SC2412	AA
Q 0304	VS2SA1037KQ-1	S	BC807	AA
Q 0305	VS2SC2412KQ-1	S	2SC2412	AA
Q 0306	VS2SC2412KQ-1	S	2SC2412	AA
Q 0403	VS2SC2412KQ-1	S	2SC2412	AA
Q 0404	VS2SC2412KQ-1	S	2SC2412	AA
Q 0405	VS2SA1037KQ-1	S	BC807	AA
Q 0501	VS2SC2412KQ-1	S	2SC2412	AA
Q 0502	RH-TX0201BMZZ	S	KSA928A	AC
Q 0503	RH-TX0172BMZZ	J	IRFR010TM	AE
Q 0505	VS2SC2412KQ-1	S	2SC2412	AA
Q 0506	RH-TX0151BMZZ	S	2SD2391Q	AD
Q 0507	RH-TX0203BMZZ	S	2SB852	AB
Q 0601	RH-TX0197BMZZ	S	BU2525AX	AP
Q 0602	RH-TX0192BMZZ	S	KSC2500	AC
Q 0603	VS2SC2412KQ-1	S	2SC2412	AA
Q 0604	VS2SA1037KQ-1	S	BC807	AA
Q 0605	RH-TX0192BMZZ	S	KSC2500	AC
Q 0606	VS2SC2412KQ-1	S	2SC2412	AA
Q 0701	RH-TX0198BMZZ	S	S5F10N80A	AU
Q 0702	RH-TX0182BMZZ	S	2PD602AR	AB
Q 0703	RH-TX0151BMZZ	S	2SD2391Q	AD
Q 0704	RH-TX0206BMZZ	S	IRFU024A	AG
Q 0705	VS2SC2412KQ-1	S	2SC2412	AA
Q 0706	VS2SC2412KQ-1	S	2SC2412	AA
Q 0708	VS2SC2412KQ-1	S	2SC2412	AA
Q 0709	VS2SC2412KQ-1	S	2SC2412	AA
Q 0710	VS2SC2412KQ-1	S	2SC2412	AA
Q 0711	RH-TX0106BMZZ	S	BC547	AB
Q 0712	VS2SC2412KQ-1	S	2SC2412	AA
Q 0713	VS2SC2412KQ-1	S	2SC2412	AA
Q 1001	VS2SC2412KQ-1	S	2SC2412	AA
Q 1002	VS2SC2412KQ-1	S	2SC2412	AA
Q 1003	VS2SC2412KQ-1	S	2SC2412	AA
Q 1004	VS2SA1037KQ-1	S	BC807	AA
Q 1006	VS2SC2412KQ-1	S	2SC2412	AA
Q 1007	VS2SC2412KQ-1	S	2SC2412	AA
Q 2401	VS2SC2412KQ-1	S	2SC2412	AA
	DIODES			
D 0204	RH-DX0548BMZZ	S	BBY40 (Varicap)	AE
D 0301	RH-DX0551BMZZ	S	LL4148	AA
D 0302	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0303	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0304	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0305	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0403	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0404	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0405	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0406	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0407	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0408	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0409	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0410	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0411	RH-EX0546BMZZ	S	Zener TZMC5V6	AA
D 0414	RH-DX0551BMZZ	S	LL4148	AA
D 0418	RH-DX0551BMZZ	S	LL4148	AA
D 0419	RH-DX0551BMZZ	S	LL4148	AA
D 0420	RH-EX0546BMZZ	S	Zener TZMC5V6	AA
D 0421	RH-EX0544BMZZ	S	Zener TZMC4V7	AA
D 0502	RH-DX0551BMZZ	S	LL4148	AA
D 0503	RH-DX0551BMZZ	S	LL4148	AA
D 0504	RH-DX0551BMZZ	S	LL4148	AA
D 0506	RH-DX0551BMZZ	S	LL4148	AA

REF. NO	PARTS	★	DESCRIPTION	CODE
D 0507	RH-EX0554BMZZ	S	Zener TZMC12	AA
D 0508	RH-DX0551BMZZ	S	LL4148	AA
D 0509	RH-DX0551BMZZ	S	LL4148	AA
D 0510	RH-DX0505BMZZ	S	1N4935	AB
D 0514	RH-DX0551BMZZ	S	LL4148	AA
D 0515	RH-EX0544BMZZ	S	Zener TZMC4V7	AA
D 0516	RH-EX0837BMZZ	S	Zener BZT03C47	AD
D 0601	RH-DX0551BMZZ	S	LL4148	AA
D 0605	RH-DX0585BMZZ	S	DMV32AF5	AM
D 0606	RH-DX0045BMZZ	S	1N4148	AA
D 0608	RH-DX0505BMZZ	S	1N4935	AB
D 0609	RH-DX0505BMZZ	S	1N4935	AB
D 0610	RH-DX0519BMZZ	S	1N5819	AD
D 0611	RH-DX0519BMZZ	S	1N5819	AD
D 0612	RH-DX0519BMZZ	S	1N5819	AD
D 0613	RH-DX0506BMZZ	S	1N4936	AB
D 0614	RH-DX0551BMZZ	S	LL4148	AA
D 0619	RH-DX0045BMZZ	S	1N4148	AA
D 0620	RH-DX0551BMZZ	S	LL4148	AA
D 0621	RH-DX0506BMZZ	S	1N4936	AB
D 0622	RH-EX0417BMZZ	S	Zener BZX79C12V	AA
D 0701	RH-DX0555BMZZ	S	RF2005	AB
D 0702	RH-DX0555BMZZ	S	RF2005	AB
D 0703	RH-DX0555BMZZ	S	RF2005	AB
D 0704	RH-DX0555BMZZ	S	RF2005	AB
D 0706	RH-DX0551BMZZ	S	LL4148	AA
D 0707	RH-DX0502BMZZ	S	1N4005	AA
D 0708	RH-DX0502BMZZ	S	1N4005	AA
D 0709	RH-DX0502BMZZ	S	1N4005	AA
D 0710	RH-EX0408BMZZ	S	Zener BZX79C5V1	AB
D 0711	RH-DX0539BMZZ	S	BYT52M	AC
D 0712	RH-EX0419BMZZ	S	Zener BZX79C15V 0.4W	AB
D 0713	RH-DX0551BMZZ	S	LL4148	AA
D 0714	RH-DX0551BMZZ	S	LL4148	AA
D 0715	RH-DX0551BMZZ	S	LL4148	AA
D 0716	RH-EX0409BMZZ	S	Zener BZX79C5V6	AA
D 0718	RH-DX0603BMZZ	S	RGP15D	AC
D 0719	RH-DX0603BMZZ	S	RGP15D	AC
D 0720	RH-DX0587BMZZ	S	MR826	AP
D 0721	RH-EX0550BMZZ	S	Zener TZMC8V2	AA
D 0722	RH-DX0611BMZZ	S	MBR1045	AG
D 0723	RH-EX0537BMZZ	S	Zener TZMC2V4	AB
D 0724	RH-EX0538BMZZ	S	Zener TZMC2V7	AA
D 0725	RH-DX0551BMZZ	S	LL4148	AA
D 0726	RH-EX0550BMZZ	S	Zener TZMC8V2	AA
D 0730	RH-DX0551BMZZ	S	LL4148	AA
D 1001	RH-PX0105BMZZ	S	LED	AC
D 1002	RH-PX0105BMZZ	S	LED	AC
D 1003	RH-DX0551BMZZ	S	LL4148	AA
D 1009	RH-DX0551BMZZ	S	LL4148	AA
D 2401	RH-EX0539BMZZ	S	Zener TZMC3V0	AA
PACKADGED CIRCUITS				
⚠ PR 0701	RMPTP0028CEZZ	S	P.T.C.	AG
X 0301	RCRSB0203BMZZ	S	Crystal 18.432 MHz	AG
X 1002	RCRSB0200BMZZ	S	Crystal 17.734 MHz	AG
X 2401	RCRSB0214BMZZ	S	Crystal 20.48 MHz	AH
COILS				
L 0201	VP-DF120K0000	S	12µH	AB
L 0202	VP-NM150KR63N	S	15µH	AC
L 0203	VP-CF6R8K0000	S	6.8uH	AA
L 0204	RCILP0229BMZZ	S	0.61µH	AD
L 0205	VP-NM1R0MR10N	S	1µH	AB
L 0301	VP-DF100K0000	S	10µH	AB
L 0315	VP-CF3R3K0000	S	3.3µH	AB
L 0316	VP-CF3R3K0000	S	3.3µH	AB
L 0317	VP-DF3R3K0000	S	3.3µH	AB
L 0350	VP-CF3R3K0000	S	3.3µH	AB
L 0351	VP-CF3R3K0000	S	3.3µH	AB

REF. NO	PARTS	★	DESCRIPTION	CODE
L 0352	RCILP0278BMZZ	S	0.68µH	AD
L 0353	RCILP0278BMZZ	S	0.68µH	AD
L 0501	RCILP0271BMZZ	S	400µH	AG
L 0502	VP-CF3R3K0000	S	3.3µH	AB
L 0503	VP-CF3R3K0000	S	3.3µH	AB
L 0601	VP-NM3R3MR19N	S	3.3µH	AC
L 0603	RCILP0262BMZZ	S	5mH	AG
L 0604	RCILP0263BMZZ	S	350µH	AG
L 0605	RCILZ0718BMZZ	S	Linearity coil	AL
L 0609	RCILP0265BMZZ	S	1.5µH	AD
L 0610	RCILP0276BMZZ	S	Coil	AD
L 0611	VP-CF470K0000	S	47µH	AA
L 0612	VP-CF470K0000	S	47µH	AA
⚠ L 0701	RCILF0108BMZZ	S	Main Filter	AL
L 0705	RCILP0110CEZZ	S	3.3µH	AD
L 2401	VP-DF3R3K0000	S	3.3µH	AB
L 2402	VP-DF100K0000	S	10µH	AB
J 0013	VP-CF3R3K0000	S	3.3µH	AB
CERAMIC FILTERS				
CF 0202	RFILC0020CEZZ	S	Filter 5.5 MHz	AE
CF 0701	RFILC0121GEZZ	S	Filter 8 MHz	AD
SF 0201	RFILC0274BMZZ	S	SAW Filter G1984	AK
SF 0202	RFILC0286BMZZ	S	Filter K9356M	AG
TRANSFORMERS				
⚠ T 0601	RTRNF2041BMZZ	S	F.B.T.	BB
⚠ T 0701	RTRNZ0550BMZZ	S	Chopper	AV
CAPACITORS				
C 0204	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB
C 0205	RC-FZ9474BMNJ	J	0.47 63V Mylar	AD
C 0206	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB
C 0207	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0208	VCKYTV1HF223Z	S	0.022 50V Ceramic	AA
C 0209	VCEAGA1CW107M	S	100 16V Electrolytic	AB
C 0211	VCEAGA1HW106M	S	10 50V Electrolytic	AA
C 0214	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0215	VCEAGA1AW477M	S	470 10V Electrolytic	AB
C 0216	VCCCTV1HH270J	S	27p 50V Ceramic	AA
C 0217	VCCCTV1HH221J	S	220p 50V Ceramic	AA
C 0218	VCEAGA1CW226M	S	22 16V Electrolytic	AA
C 0219	VCEAGA1HW105M	S	1 50V Electrolytic	AA
C 0220	VCEAGA1HW105M	S	1 50V Electrolytic	AA
C 0221	VCCCTV1HH220J	S	22p 50V Ceramic	AA
C 0222	VCCCTV1HH220J	S	22p 50V Ceramic	AA
C 0223	VCKYTV1HF333Z	S	0.033 50V Ceramic	AA
C 0224	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 0225	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 0228	VCCWPA2HL8R2C	S	8.2p 500V Ceramic	AB
C 0305	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 0306	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 0309	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0310	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0311	VCEAGA1AW337M	S	330 10V Electrolytic	AB
C 0312	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0313	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 0314	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 0315	VCEAGA1HW335M	S	3.3 50V Electrolytic	AA
C 0316	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0319	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0320	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0321	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0322	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC
C 0323	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC
C 0324	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC
C 0325	RC-FZ9334BMNJ	J	0.33 63V ylar	AC
C 0326	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 0327	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA

REF. NO	PARTS	★	DESCRIPTION	CODE	REF. NO	PARTS	★	DESCRIPTION	CODE
C 0328	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0509	VCEAGA1EW227M	S	220 25V Electrolytic	AA
C 0329	VCCCPA1HH470J	S	47p 50V Ceramic	AA	C 0510	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0330	VCCCTV1HH470J	S	47p 50V Ceramic	AA	C 0511	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB
C 0331	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0512	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 0332	VCEAGA1AW337M	S	330 10V Electrolytic	AB	C 0514	RC-FZ9153BMNJ	J	0.015 63V Mylar	AB
C 0333	VCCCTV1HH470J	S	47p 50V Ceramic	AA	C 0515	VCCCTV1HH391J	S	390p 50V Ceramic	AA
C 0334	VCCCTV1HH5R0C	S	5p 50V Ceramic	AA	C 0516	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 0335	VCCCTV1HH5R0C	S	5p 50V Ceramic	AA	C 0517	VCKYTV1HB472K	S	4700p 50V Ceramic	AA
C 0336	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA	C 0518	VCCCTV1HH100D	S	10p 50V Ceramic	AA
C 0337	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA	C 0520	VCEAGA1VW477M	S	470 35V Electrolytic	AD
C 0338	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0521	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0339	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0522	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0340	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA	C 0523	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0341	RC-FZ9224BMNJ	J	0.22 63V Mylar	AC	C 0524	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB
C 0342	VCEAGA1HW106M	S	10 50V Electrolytic	AA	C 0526	VCEAGA1HW106M	S	10 50V Electrolytic	AA
C 0343	VCEAGA1HW106M	S	10 50V Electrolytic	AA	C 0527	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0350	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0528	VCEAGA1JW106M	S	10 63V Electrolytic	AA
C 0351	VCEAGA1EW227M	S	220 25V Electrolytic	AA	C 0529	VCCCTV1HH271J	S	270p 50V Ceramic	AA
C 0352	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	C 0530	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0353	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	C 0533	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0354	VCCCTV1HH101J	S	100p 50V Ceramic	AA	C 0534	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0356	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC	C 0601	RC-FZ0158BMZZ	S	0.01 1KV Mylar	AF
C 0357	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	C 0606	VCKYTV1HB104K	S	0.1 50V Ceramic	AA
C 0358	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	C 0607	VCEAGA1AW337M	S	330 10V Electrolytic	AB
C 0359	VCKYTV1HB472K	S	4700p 50V Ceramic	AA	C 0610	RC-FZ0159BMZZ	S	0.015 630V Mylar	AE
C 0360	VCCCTV1HH561J	S	560p 50V Ceramic	AA	C 0611	RC-FZ7824BMNJ	J	0.82 400V Mylar	AK
C 0361	RC-FZ9474BMNJ	J	0.47 63V Mylar	AD	C 0613	RC-FZ7684BMNJ	J	0.68 400V Mylar	AH
C 0362	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB	C 0615	VCEAGA1EW477M	S	470 25V Electrolytic	AD
C 0363	VCEAGA1EW227M	S	220 25V Electrolytic	AA	C 0616	VCEAGA1VW477M	S	470 35V Electrolytic	AD
C 0364	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0618	RC-FZ9474BMNJ	J	0.47 63V Mylar	AD
C 0365	VCEAGA1EW227M	S	220 25V Electrolytic	AA	C 0619	VCEAGA2CW225M	S	2.2 160V Electrolytic	AB
C 0366	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0620	VCEAGA2CW225M	S	2.2 160V Electrolytic	AB
C 0367	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0631	RC-FZ9474BMNJ	J	0.47 63V Mylar	AD
C 0368	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	C 0633	VCCCTV1HH220J	S	22p 50V Ceramic	AA
C 0369	VCCCTV1HH101J	S	100p 50V Ceramic	AA	C 0634	RC-KZ0038CEZZ	S	470p 2KV Ceramic	AB
C 0370	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC	C 0635	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0371	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	C 0637	VCKYPA2HB222K	S	2500p 500V Ceramic	
C 0372	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB	C 0638	VCKYPA2HB222K	S	2500p 500V Ceramic	
C 0373	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	C 0639	VCCCTV1HH391J	S	390p 50V Ceramic	AA
C 0374	VCKYTV1HB472K	S	4700p 50V Ceramic	AA	C 0640	VCKYTV1HB222K	S	2200p 50V Ceramic	AA
C 0375	VCCCTV1HH561J	S	560p 50V Ceramic	AA	C 0644	VCEAGA1CW227M	S	220 16V Electrolytic	AC
C 0376	RC-FZ9474BMNJ	J	0.47 63V Mylar	AD	C 0701	RC-FZ0160BMZZ	S	0.47 275V Mylar	AF
C 0377	VCEAGA1HW105M	S	1 50V Electrolytic	AA	C 0702	RC-KZ0029CEZZ	S	0.01 250V Ceramic	AC
C 0378	VCEAGA1EW227M	S	220 25V Electrolytic	AA	C 0703	RC-KZ0029CEZZ	S	0.01 250V Ceramic	AC
C 0379	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0704	RC-KZ0029CEZZ	S	0.01 250V Ceramic	AC
C 0380	VCKYTV1HF473Z	S	0.047 50V Ceramic	AA	C 0705	RC-EZ0119BMZZ	S	220 385V Electrolytic	AR
C 0408	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA	C 0706	VCEAGA1CW226M	S	22 16V Electrolytic	AA
C 0409	VCCCTV1HH101J	S	100p 50V Ceramic	AA	C 0707	VCEAGA1CW107M	S	100 16V Electrolytic	AB
C 0410	VCCCTV1HH391J	S	390p 50V Ceramic	AA	C 0709	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0411	VCCCTV1HH101J	S	100p 50V Ceramic	AA	C 0710	RC-FZ0156BMZZ	S	0.022 630V Mylar	AE
C 0412	VCCCTV1HH101J	S	100p 50V Ceramic	AA	C 0711	RC-KZ0035CEZZ	S	220p 2KV Ceramic	AC
C 0413	VCCCTV1HH101J	S	100p 50V Ceramic	AA	C 0712	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 0414	VCCCTV1HH391J	S	390p 50V Ceramic	AA	C 0713	RC-FZ9683BMNJ	J	0.068 63V Mylar	AB
C 0415	VCEAGA1HW476M	S	47 50V Electrolytic	AB	C 0714	RC-FZ9823BMNJ	J	0.082 63V Mylar	AB
C 0416	VCCCTV1HH101J	S	100p 50V Ceramic	AA	C 0715	VCCCTV1HH331J	S	330p 50V Ceramic	AA
C 0417	VCCCTV1HH101J	S	100p 50V Ceramic	AA	C 0716	VCKYTV1HB332K	S	3300p 50V Ceramic	AA
C 0418	VCCCTV1HH391J	S	390p 50V Ceramic	AA	C 0717	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0419	VCCCTV1HH391J	S	390p 50V Ceramic	AA	C 0718	VCEAGA1EW108M	S	1000 25V Electrolytic	AD
C 0420	VCCCTV1HH101J	S	100p 50V Ceramic	AA	C 0719	VCEAGA1EW108M	S	1000 25V Electrolytic	AD
C 0421	VCCCTV1HH101J	S	100p 50V Ceramic	AA	C 0720	RC-EZ0258CEZZ	S	100 200V Electrolytic	AH
C 0422	VCEAGA1AW476M	S	47 10V Electrolytic	AA	C 0721	RC-EZ0132BMZZ	S	470 35V Electrolytic	AC
C 0434	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0722	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0435	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0723	VCEAGA1AW228M	S	2200 10V Electrolytic	AD
C 0436	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0724	VCEAGA1CW227M	S	220 16V Electrolytic	AC
C 0501	VCEAGA1EW477M	S	470 25V Electrolytic	AD	C 0725	VCKYTV1HB472K	S	4700p 50V Ceramic	AA
C 0502	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0728	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0503	VCCCTV1HH101J	S	100p 50V Ceramic	AA	C 0730	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0504	RC-FZ9684BMNJ	J	0.68 63V Mylar	AD	C 0731	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0505	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0732	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0506	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0733	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0507	VCKYTV1HB472K	S	4700p 50V Ceramic	AA	C 0734	RC-EZ0132BMZZ	S	470 35V Electrolytic	AC
C 0508	VCCCTV1HH561J	S	560p 50V Ceramic	AA	C 0735	VCCCTV1HH151J	S	150p 50V Ceramic	AA

REF. NO	PARTS	★	DESCRIPTION	CODE
C 0738	VCCCTV1HH560J	S	56p 50V Ceramic	AA
⚠ C 0770	RC-KZ0156CEZZ	S	3300p 4KV Ceramic	AD
C 0821	VCEAGA1HW476M	S	47 50V Electrolytic	AB
C 1001	VCEAGA0JW477M	S	470 6.3V Electrolytic	AB
C 1002	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 1005	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 1014	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 1017	VCKYTV1HF333Z	S	0.033 50V Ceramic	AA
C 1018	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 1019	VCCCTV1HH220J	S	22p 50V Ceramic	AA
C 1020	VCCCTV1HH220J	S	22p 50V Ceramic	AA
C 1021	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 1022	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 1023	VCKYTV1HF153Z	S	0.015 50V Ceramic	AA
C 1024	VCKYTV1HF153Z	S	0.015 50V Ceramic	AA
C 1025	VCKYTV1HF153Z	S	0.015 50V Ceramic	AA
C 1026	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 1027	VCEAGA1CW476M	S	47 16V Electrolytic	AB
C 1028	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 1030	VCCCTV1HH331J	S	330p 50V Ceramic	AA
C 1031	VCEAGA0JW337M	S	330 6.3V Electrolytic	AA
C 1032	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB
C 1033	VCKYTV1HF683Z	S	0.068 50V Ceramic	AA
C 2401	VCCCTV1HH220J	S	22p 50V Ceramic	AA
C 2402	VCCCTV1HH220J	S	22p 50V Ceramic	AA
C 2403	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 2404	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 2405	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 2406	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 2407	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 2408	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
J 0701	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA

RESISTORS

R 0203	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 0204	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0205	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA
R 0208	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0209	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0210	VRS-TV1JD152J	S	1.5K 1/10W Metal Oxide	AA
R 0211	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 0216	VRS-TV1JD151J	S	150 1/10W Metal Oxide	AA
R 0217	VRS-TV1JD681J	S	680 1/10W Metal Oxide	AA
R 0218	VRD-RA2BE123J	S	12K 1/8W Carbon	AA
R 0219	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0220	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0226	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0229	VRD-RA2HD822J	S	8.2K 1/2W Carbon	AA
R 0230	VRD-RA2HD822J	S	8.2K 1/2W Carbon	AA
R 0231	VRD-RA2HD822J	S	8.2K 1/2W Carbon	AA
R 0232	VRD-RA2BE561J	S	560 1/8W Carbon	AA
R 0233	VRD-RA2BE561J	S	560 1/8W Carbon	AA
R 0235	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0236	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0237	VRS-TV1JD681J	S	680 1/10W Metal Oxide	AA
R 0240	VRS-TV1JD224J	S	220K 1/10W Metal Oxide	AA
R 0241	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0242	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0243	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0244	VRS-TV1JD333J	S	33K 1/10W Metal Oxide	AA
R 0245	VRS-TV1JD152J	S	1.5K 1/10W Metal Oxide	AA
R 0246	VRS-TV1JD224J	S	220K 1/10W Metal Oxide	AA
R 0247	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0248	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0251	VRS-TV1JD683J	S	68K 1/10W Metal Oxide	AA
R 0252	VRS-TV1JD183J	S	18K 1/10W Metal Oxide	AA
R 0301	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0302	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0303	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0304	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0306	VRD-RA2BE101J	S	100 1/8W Carbon	AA

REF. NO	PARTS	★	DESCRIPTION	CODE
R 0307	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 0308	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0309	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0310	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0311	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0312	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0313	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0314	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0315	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 0316	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA
R 0317	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA
R 0318	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0319	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0320	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0321	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0322	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0323	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0350	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0351	VRD-RA2BE273J	S	27K 1/8W Carbon	AA
R 0352	VRS-TV1JD123J	S	12K 1/10W Metal Oxide	AA
R 0353	VRS-TV1JD151J	S	150 1/10W Metal Oxide	AA
R 0354	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0355	VRS-TV1JD273J	S	27K 1/10W Metal Oxide	AA
R 0356	VRS-TV1JD123J	S	12K 1/10W Metal Oxide	AA
R 0357	VRS-TV1JD151J	S	150 1/10W Metal Oxide	AA
R 0358	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0359	VRD-RA2BE104J	S	100K 1/8W Carbon	AA
R 0360	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0361	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0362	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0363	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0372	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0373	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0374	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0375	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0376	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0407	VRS-TV1JD750J	S	75 1/10W Metal Oxide	AA
R 0408	VRD-RA2EE750J	S	75 1/4W Carbon	AA
R 0409	VRS-TV1JD750J	S	75 1/10W Metal Oxide	AA
R 0410	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0411	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0412	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0413	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0414	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0415	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0416	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0417	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0418	VRD-RA2HD680J	S	68 1/2W Carbon	AA
R 0419	VRD-RA2EE750J	S	75 1/4W Carbon	AA
R 0420	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 0421	VRD-RA2BE750J	S	75 1/8W Carbon	AA
R 0422	VRD-RA2BE750J	S	75 1/8W Carbon	AA
R 0423	VRD-RA2BE750J	S	75 1/8W Carbon	AA
R 0424	VRD-RA2BE750J	S	75 1/8W Carbon	AA
R 0425	VRD-RA2EE750J	S	75 1/4W Carbon	AA
R 0426	VRD-RA2BE750J	S	75 1/8W Carbon	AA
R 0427	VRS-TV1JD820J	S	82 1/10W Metal Oxide	AA
R 0428	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0429	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0430	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0431	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0432	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0433	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0434	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0435	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0436	RR-XZ0112BMZZ	S	10 1/3W Fuse Resistor	AB
R 0437	VRS-TV1JD471J	S	470 1/10W Metal Oxide	AA
R 0450	VRS-TV1JD220J	S	22 1/10W Metal Oxide	AA
R 0454	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0458	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0459	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0461	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA

REF. NO	PARTS	★	DESCRIPTION	CODE
R 0463	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 0464	VRD-RA2BE221J	S	220 1/8W Carbon	AA
R 0501	VRD-RA2HD151J	S	150 1/2W Carbon	AA
R 0502	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0503	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 0504	VRS-TV1JD393J	S	39K 1/10W Metal Oxide	AA
R 0505	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0506	VRS-TQ2BD121J	S	120 1/8W Metal Oxide	AA
R 0507	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 0508	VRD-RA2BE681J	S	680 1/8W Carbon	AA
R 0509	VRS-TV1JD393J	S	39K 1/10W Metal Oxide	AA
R 0510	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 0511	VRS-TV1JD151J	S	150 1/10W Metal Oxide	AA
R 0512	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0513	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0514	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA
R 0515	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA
R 0516	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0517	VRS-TV1JD153J	S	15K 1/10W Metal Oxide	AA
R 0518	VRN-VV3DB1R0J	S	1 2W Metal Film	AA
R 0519	VRD-RA2HD104J	S	100K 1/2W Carbon	AA
R 0521	VRS-TV1JD562J	S	5.6K 1/10W Metal Oxide	AA
R 0522	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0523	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0524	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0525	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0526	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 0527	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0528	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0530	RR-XZ0200BMZZ	S	1 1/2W Fuse Resistor	AB
R 0531	VRS-TV1JD105J	S	1M 1/10W Metal Oxide	AA
R 0532	VRS-TV1JD682J	S	6.8K 1/10W Metal Oxide	AA
R 0533	VRD-RA2EE821J	S	820 1/4W Carbon	AA
R 0534	VRD-RA2BE273J	S	27K 1/8W Carbon	AA
R 0535	VRS-TV1JD682J	S	6.8K 1/10W Metal Oxide	AA
R 0536	VRS-VV3DB103J	S	1K 2W Metal Oxide	AA
R 0537	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 0538	VRS-TV1JD273J	S	27K 1/10W Metal Oxide	AA
R 0539	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0540	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0544	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0545	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0547	VRS-TV1JD392J	S	3.9K 1/10W Metal Oxide	AA
R 0548	VRS-TV1JD682J	S	6.8K 1/10W Metal Oxide	AA
R 0549	VRS-TV1JD273J	S	27K 1/10W Metal Oxide	AA
R 0552	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0553	RR-XZ0101BMZZ	S	1.2 1/3W Fuse Resistor	AB
R 0603	VRD-RA2BE331J	S	330 1/8W Carbon	AA
R 0604	VRN-VV3LB2R2J	S	2.2 3W Metal Film	AB
R 0605	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0606	VRS-VV3AB330J	S	33 1W Metal Oxide	AA
R 0607	VRS-TV1JD682J	S	6.8K 1/10W Metal Oxide	AA
R 0608	VRS-TQ2BD330J	S	33 1/8W Metal Oxide	AA
R 0609	VRN-VV3ABR33J	S	0.33 1W Metal Film	AA
R 0610	RR-XZ0200BMZZ	S	1 1/2W Fuse Resistor	AB
R 0611	VRS-VV3DB561J	S	560 2W Metal Oxide	AA
R 0612	RR-XZ0206BMZZ	S	3.3 1/2W Fuse Resistor	AB
R 0613	VRS-VV3DB222J	S	2.2K 2W Metal Oxide	AA
R 0614	VRD-RA2HD103J	S	10K 1/2W Carbon	AA
R 0615	VRD-RA2BE562J	S	5.6K 1/8W Carbon	AA
R 0617	RR-XZ0216BMZZ	S	22 1/2W Fuse Resistor	AB
R 0619	VRS-VV3DB271J	S	270 2W Metal Oxide	AA
R 0623	VRN-VV3LBR56J	S	0.56 3W Metal Film	AB
R 0625	VRS-TQ2BD181J	S	180 1/8W Metal Oxide	AA
R 0627	VRS-TQ2BD181J	S	180 1/8W Metal Oxide	AA
R 0628	VRS-TQ2BD330J	S	33 1/8W Metal Oxide	AA
R 0634	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0641	VRD-RA2HD470J	S	47 1/4W Carbon	AA
R 0643	RR-XZ0100BMZZ	S	1 1/3W Fuse Resistor	AB
R 0701	VRD-RA2HD124J	S	120K 1/2W Carbon	AA
R 0702	VRD-RA2HD124J	S	120K 1/2W Carbon	AA
R 0703	VRD-RA2HD104J	S	100K 1/2W Carbon	AA
R 0704	VRS-VV3AB563J	S	56K 1W Metal Oxide	AA
R 0705	VRS-VV3AB563J	S	56K 1W Metal Oxide	AA
R 0706	VRD-RA2BE222J	S	2.2K 1/8W Carbon	AA
R 0707	VRS-TV1JD152J	S	1.5K 1/10W Metal Oxide	AA
R 0708	VRD-RA2BE183J	S	18K 1/8W Carbon	AA
R 0709	VRD-RA2BE122J	S	1.2K 1/8W Carbon	
R 0710	VRD-RA2BE222J	S	2.2K 1/8W Carbon	AA
R 0711	VRS-TV1JD182J	S	1.8K 1/10W Metal Oxide	AA
R 0712	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA
R 0713	VRD-RA2HD564J	S	560K 1/2W Carbon	AC
R 0714	VRD-RA2HD564J	S	560K 1/2W Carbon	AC
R 0715	VRW-KS3HC473J	S	47K 5W Cement	AE
R 0716	VRN-VV3ABR27J	J	0.27 1W Metal Film	AA
R 0717	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0718	VRS-TQ2BD000J	S	Jumper	AA
R 0719	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 0720	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0721	VRD-RA2HD104J	S	100K 1/2W Carbon	AA
R 0722	VRS-TV1JD330J	S	33 1/10W Metal Oxide	AA
R 0723	VRS-VV3AB271J	S	270 1W Metal Oxide	AA
R 0724	VRS-TQ2BD471J	S	470 1/8W Metal Oxide	AA
R 0725	VRD-RA2BE103J	S	10K 1/8W Carbon	AA
R 0726	VRS-TV1JD220J	S	22 1/10W Metal Oxide	AA
R 0727	VRD-RA2HD181J	S	180 1/8W Carbon	AA
R 0728	VRD-RA2HD181J	S	180 1/8W Carbon	AA
R 0729	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0730	VRS-VV3AB820J	S	82 1W Metal Oxide	AA
R 0731	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0732	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0733	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0734	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 0735	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0736	VRS-TV1JD184J	S	180K 1/10W Metal Oxide	AA
R 0737	VRS-TV1JD184J	S	180K 1/10W Metal Oxide	AA
R 0738	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0739	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0740	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
⚠R 0741	VRC-UA2HG825K	S	8.2M 1/2W Solid	AA
⚠R 0742	VRC-UA2HG825K	S	8.2M 1/2W Solid	AA
R 0743	VRS-TQ2BD473F	S	47K 1/8W Metal Oxide	AA
R 0744	VRS-TQ2BD473F	S	47K 1/8W Metal Oxide	AA
R 0745	VRS-TV1JD182F	S	1.8K 1/10W Metal Oxide	AA
R 0746	VRS-TV1JD333J	S	33K 1/10W Metal Oxide	AA
R 0747	VRS-TV1JD102F	S	1K 1/10W Metal Oxide	AA
R 0748	VRS-TV1JD102F	S	1K 1/10W Metal Oxide	AA
R 0750	VRS-TV1JD105J	S	1M 1/10W Metal Oxide	AA
R 0751	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0753	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0754	VRS-TV1JD2R7J	S	2.7 1/10W Metal Oxide	AA
R 0755	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA
R 0756	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0757	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0758	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0760	VRS-TV1JD681J	S	680 1/10W Metal Oxide	AA
R 0761	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 0764	VRD-RA2BE333J	S	33K 1/8W Carbon	AA
R 0765	VRS-TQ2BD000J	S	Jumper	AA
R 0766	VRS-TQ2BD000J	S	Jumper	AA
R 0787	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA
R 0788	VRS-TV1JD183J	S	18K 1/10W Metal Oxide	AA
R 0789	VRS-TV1JD183J	S	18K 1/10W Metal Oxide	AA
R 0790	VRD-RA2BE183J	S	18K 1/8W Carbon	AA
R 0791	VRD-RA2BE183J	S	18K 1/8W Carbon	AA
R 0792	VRD-RA2BE682J	S	6.8K 1/8W Carbon	AA
R 1001	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 1002	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 1003	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 1004	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 1005	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 1008	VRS-TV1JD682J	S	6.8K 1/10W Metal Oxide	AA
R 1017	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 1018	VRD-RA2BE101J	S	100 1/8W Carbon	AA

REF. NO	PARTS	★	DESCRIPTION	CODE
R 1019	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 1020	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 1021	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 1022	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 1023	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 1024	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 1025	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 1026	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 1027	VRD-RA2BE103J	S	10K 1/8W Carbon	AA
R 1028	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1029	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 1030	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 1031	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 1032	VRS-TV1JD273J	S	27K 1/10W Metal Oxide	AA
R 1035	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 1036	VRD-RA2BE472J	S	4.7K 1/8W Carbon	AA
R 1037	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 1038	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1039	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1040	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1041	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 1042	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 1043	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 1044	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 1045	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 1046	VRS-TV1JD182J	S	1.8K 1/10W Metal Oxide	AA
R 1047	VRD-RA2BE103J	S	10K 1/8W Carbon	AA
R 1048	VRS-TV1JD821J	S	820 1/10W Metal Oxide	AA
R 1049	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 1050	VRD-RA2BE221J	S	220 1/8W Carbon	AA
R 1051	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 1052	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 1053	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 1054	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 1055	VRD-RA2BE474J	S	470K 1/8W Carbon	AA
R 1056	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 2401	VRS-TV1JD471J	S	470 1/10W Metal Oxide	AA
R 2402	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 2403	VRS-TV1JD152J	S	1.5K 1/10W Metal Oxide	AA
R 2404	VRS-TV1JD560J	S	56 1/10W Metal Oxide	AA
R 2405	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 2406	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 2407	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 2408	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 2409	VRS-TV1JD271J	S	270 1/10W Metal Oxide	AA
C 0212	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
C 0213	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
C 0427	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
C 0432	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
C 0525	VRS-TV1JD562J	S	5.6K 1/10W Metal Oxide	AA
J 0123	VRD-RA2BE101J	S	100 1/8W Carbon	AA
J 0124	VRD-RA2BE101J	S	100 1/8W Carbon	AA
JF 0032	VRD-RA2BE101J	S	100 1/8W Carbon	AA
JF 0033	VRD-RA2BE101J	S	100 1/8W Carbon	AA
JF 0034	VRD-RA2BE101J	S	100 1/8W Carbon	AA
Q 0408	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA

MISCELLANEOUS PARTS

⚠F 0601	QFS-J2521CEZZ	S	Fuse 2.5A 125V	AD
⚠F 0602	QFS-J2521CEZZ	S	Fuse 2.5A 125V	AD
⚠F 0701	QFS-C3226CEZZ	S	Fuse 3.15A 250V	AE
	QFSHD1010CEZZ	S	Fuse Holder	AB
	QFSHD1009CEZZ	S	Fuse Holder	AA
⚠S 0701	QSW-P0600BMZZ	S	Power Switch	AL
S 0702	QSW-K0079GEZZ	S	Switch	AB
S 0703	QSW-K0079GEZZ	S	Switch	AB
S 0704	QSW-K0079GEZZ	S	Switch	AB
S 0705	QSW-K0079GEZZ	S	Switch	AB
J 0301	QJAKJ0047CEZZ	S	Earphone Jack	AG
LP 0701	RLAMP0001BMZZ	S	Neon	AC
M 1000	RRMCU0205BMZZ	S	R/C Receiver	AG

REF. NO	PARTS	★	DESCRIPTION	CODE
(A)	QPLGN0304CEZZ	S	Connector	AB
(F)	QPLGN0505CEZZ	S	Connector	AB
(G)	QPLGN0207CEZZ	S	Connector	AA
(L)0002	QTIPM0017CEFM	S	TIP	AA
(RGB)	QPLGN0441CEZZ	S	Connector 4pin	AB
(RGB)	QPLGN0441CEZZ	S	Connector 4pin	AB
(SP)	QPLGN0441CEZZ	S	Connector 4pin	AB
(YA)	QSOCN1285CEZZ	S	Connector	AB
(YB)	QSOCN1285CEZZ	S	Connector	AB
(YC)	QSOCN1285CEZZ	S	Connector	AB
CN 0001	QSOCZ2107BMZZ	S	A / V Connector	AE
CN 0002	QSOCZ2107BMZZ	S	A / V Connector	AE
FB 0302	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0303	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0501	RBLN-0020CEZZ	S	Ferrite Bead	AB
FB 0603	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0701	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0702	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0703	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 1001	VRS-TQ2BD000J	S	Jumper	AA
IC 1002	QSOCZ2051SC32	S	Socket 32 PIN	AC

PWB-B SOCKET UNIT

INTEGRATED CIRCUITS

IC 1801	RH-IX1416BMZZ	S	TEA 5101A	AN

TRANSISTORS

Q 0901	VS2SC2412KQ-1	S	2SC2412	AA
Q 0902	VS2SC2412KQ-1	S	2SC2412	AA
Q 0903	VS2SA1037KQ-1	S	BC807	AA
Q 0904	VS2SC2412KQ-1	S	2SC2412	AA
Q 0905	VS2SC2412KQ-1	S	2SC2412	AA
Q 0906	VS2SA1037KQ-1	S	BC807	AA
Q 0907	VS2SC2412KQ-1	S	2SC2412	AA
Q 0908	VS2SC2412KQ-1	S	2SC2412	AA
Q 0909	VS2SA1037KQ-1	S	BC807	AA
Q 0912	RH-TX0102BMZZ	S	BC338	AB

DIODES

D 1804	RH-DX0045BMZZ	S	1N4148	AA
D 1805	RH-EX0554BMZZ	S	Zener TZMC12	AA
D 1809	RH-DX0501BMZZ	S	1N4004	AA
D 1810	RH-EX0546BMZZ	S	Zener TZMC5V6	AA

COILS

L 1801	RCILP0276BMZZ	S	Coil	AD

CAPACITORS

C 1801	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 1802	VCCCTV1HH5R0C	S	5p 50V Ceramic	AA
C 1803	VCCCTV1HH150J	S	15p 50V Ceramic	AA
C 1804	VCCCTV1HH150J	S	15p 50V Ceramic	AA
C 1805	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 1806	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 1807	VCEAGA1CW107M	S	100 16V Electrolytic	AB
C 1808	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 1809	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 1810	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 1811	VCEAGA2EW106M	S	10 250V Electrolytic	AD
C 1812	VCEAGA2EW105M	S	1 250V Electrolytic	AC
C 1813	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 1814	RC-KZ0023CEZZ	S	4700p 2KV Ceramic	AD
C 1815	VCKYTV1HF473Z	S	0.047 50V Ceramic	AA
C 1820	VCCCTV1HH100D	S	10p 50V Ceramic	AA
C 1821	VCCCTV1HH100D	S	10p 50V Ceramic	AA
C 1822	VCCCTV1HH100D	S	10p 50V Ceramic	AA

REF. NO	PARTS	★	DESCRIPTION	CODE
C 1823	VCEAGA1CW226M	S	22 16V Electrolytic	AA
			RESISTORS	
R 1801	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 1802	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA
R 1803	VRS-TV1JD750J	S	75 1/10W Metal Oxide	AA
R 1804	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1805	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 1806	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 1807	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA
R 1808	VRS-TV1JD750J	S	75 1/10W Metal Oxide	AA
R 1809	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1810	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 1811	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 1812	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA
R 1813	VRS-TV1JD750J	S	75 1/10W Metal Oxide	AA
R 1814	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1815	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 1816	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 1817	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA
R 1818	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA
R 1819	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA
R 1820	VRD-RA2HD823J	S	82K 1/2W Carbon	AA
R 1821	VRD-RA2HD823J	S	82K 1/2W Carbon	AA
R 1822	VRD-RA2HD823J	S	82K 1/2W Carbon	AA
R 1823	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 1824	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 1825	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 1830	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 1831	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 1832	VRC-MA2HG681J	S	680 1/2W Solid	AB
R 1833	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 1834	VRC-MA2HG681J	S	680 1/2W Solid	AB
R 1835	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 1836	VRC-MA2HG681J	S	680 1/2W Solid	AB
R 1837	VRS-TV1JD225J	S	2.2M 1/10W Metal Oxide	AA
R 1839	VRS-TV1JD100J	S	10 1/10W Metal Oxide	AA
R 1841	VRD-RA2BE220J	S	22 1/8W Carbon	AA
			MISCELLANEOUS PARTS	
⚠	QSOCV0103BMZZ	S	C.R.T. Socket	AG
(K)	QPLGN0641CEZZ	S	Connector	AB

PWB-C **100 Hz UNIT**

Achtung: immer Version kontrollieren!

			INTEGRATED CIRCUITS	
IC 6001	RH-IX1616BMZZ	S	VPC3200A	BH
IC 6002	RH-IX1625BMZZ	S	CIP3250A-PS-B1	BA
IC 6003	RH-IX1676BMZZ	S	SDA9255	BP
IC 6004	RH-IX1677BMZZ	S	DDP3310B	BF
IC 6005	RH-IX1680BMZZ	S	SDA9189X	BD
IC 6006	RH-IX1556BMZZ	S	BA10393 S0P8	AD
IC 6007	VSIMT1A/A//-1	S	IMT1A	AB
IC 6301	RH-IX1689BMZZ	S	HEF4046BT	AE
IC 6302	RH-IX1602BMZZ	S	HEF4053	AE
			TRANSISTORS	
Q 6001	VS2SA1037KQ-1	S	BC807	AA
Q 6003	VS2SC2412KQ-1	S	2SC2412	AA
Q 6004	VS2SC2412KQ-1	S	2SC2412	AA
Q 6008	VS2SC2412KQ-1	S	2SC2412	AA
Q 6009	VS2SC2412KQ-1	S	2SC2412	AA
Q 6010	VS2SC2412KQ-1	S	2SC2412	AA
Q 6011	VS2SC2412KQ-1	S	2SC2412	AA
Q 6012	VS2SC2412KQ-1	S	2SC2412	AA
Q 6015	VS2SA1037KQ-1	S	BC807	AA
Q 6018	VS2SA1037KQ-1	S	BC807	AA
Q 6020	VS2SC2412KQ-1	S	2SC2412	AA

REF. NO	PARTS	★	DESCRIPTION	COD
Q 6021	VS2SC2412KQ-1	S	2SC2412	AA
Q 6022	VS2SA1037KQ-1	S	BC807	AA
Q 6023	VS2SC2412KQ-1	S	2SC2412	AA
Q 6024	VS2SA1037KQ-1	S	BC807	AA
			DIODES	
D 6001	RH-EX0544BMZZ	S	Zener TZMC4V7	AA
D 6002	RH-DX0551BMZZ	S	LL4148	AA
D 6003	RH-DX0551BMZZ	S	LL4148	AA
D 6004	RH-EX0544BMZZ	S	Zener TZMC4V7	AA
D 6005	RH-DX0551BMZZ	S	LL4148	AA
D 6006	RH-EX0561BMZZ	S	Zener TZMC24	AA
D 6007	RH-DX0551BMZZ	S	LL4148	AA
D 6008	RH-DX0551BMZZ	S	LL4148	AA
D 6009	RH-DX0551BMZZ	S	LL4148	AA
D 6010	RH-DX0551BMZZ	S	LL4148	AA
			PACKADGED CIRCUITS	
X 1003	RCRSB0236BMZZ	S	Crystal 5 MHz	AG
X 6001	RCRSB0219BMZZ	S	Crystal 20.25 MHz	AH
			COILS	
L 6001	VP-NM3R3MR19N	S	3.3µH	AC
L 6002	VP-NM3R3MR19N	S	3.3µH	AC
L 6003	VP-NM3R3MR19N	S	3.3µH	AC
L 6004	VP-NM100KR42N	S	10µH	AC
L 6005	VP-NM1R0MR10N	S	1µH	AB
L 6006	VP-NM3R3MR19N	S	3.3µH	AC
L 6007	VP-NM3R3MR19N	S	3.3µH	AC
L 6009	VP-NM3R3MR19N	S	3.3µH	AC
L 6010	VP-NM3R3MR19N	S	3.3µH	AC
L 6011	VP-NM3R3MR19N	S	3.3µH	AC
L 6012	VP-NM3R3MR19N	S	3.3µH	AC
L 6013	VP-NM2R2MR16N	S	2.2µH	AC
L 6014	VP-NM3R3MR19N	S	3.3µH	AC
L 6017	VP-NM2R2MR16N	S	2.2µH	AC
L 6018	VP-NM3R3MR19N	S	3.3µH	AC
L 6019	VP-NM2R2MR16N	S	2.2µH	AC
L 6020	VP-NM3R3MR19N	S	3.3µH	AC
L 6021	VP-NM100KR42N	S	10µH	AC
			CERAMIC FILTER	
CF 1003	RFILC0287BMZZ	S	Filter	AD
			CAPACITORS	
C 6001	VCEAGA1HW105M	S	1 50V Electrolytic	AA
C 6002	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 6003	VCEAGA1HW105M	S	1 50V Electrolytic	AA
C 6004	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 6005	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 6006	VCEAGA1HW105M	S	1 50V Electrolytic	AA
C 6007	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 6008	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6009	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 6011	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6012	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6013	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6014	VCEAGA1HW335M	S	3.3 50V Electrolytic	AA
C 6015	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6016	VCEAGA1CW226M	S	22 16V Electrolytic	AA
C 6017	VCKYTV1HF223Z	S	0.022 50V Ceramic	AA
C 6018	VCKYTV1HF153Z	S	0.015 50V Ceramic	AA
C 6019	VCKYTV1HF153Z	S	0.015 50V Ceramic	AA
C 6020	VCKYTV1HF153Z	S	0.015 50V Ceramic	AA
C 6021	VCEAGA1CW226M	S	22 16V Electrolytic	AA
C 6022	VCKYTV1HF223Z	S	0.022 50V Ceramic	AA
C 6023	VCEAGA1CW226M	S	22 16V Electrolytic	AA

REF. NO	PARTS	★	DESCRIPTION	CODE
C 6024	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6027	VCEAGA0JW477M	S	470 6.3V Electrolytic	AB
C 6028	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 6029	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 6030	VCEAGA0JW477M	S	470 6.3V Electrolytic	AB
C 6031	VCCCTV1HH3R3C	S	3.3p 50V Ceramic	AA
C 6032	VCCCTV1HH3R3C	S	3.3p 50V Ceramic	AA
C 6033	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 6034	VCEAGA0JW477M	S	470 6.3V Electrolytic	AB
C 6035	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 6036	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6037	VCCCTV1HH470J	S	47p 50V Ceramic	AA
C 6038	VCCCTV1HH680J	S	68p 50V Ceramic	AA
C 6039	VCKYTV1EF334Z	S	0.33 25V Ceramic	AB
C 6040	VCKYTV1EF334Z	S	0.33 25V Ceramic	AB
C 6041	VCCCTV1HH330J	S	33p 50V Ceramic	AA
C 6042	VCCCTV1HH391J	S	390p 50V Ceramic	AA
C 6043	VCCCTV1HH331J	S	330p 50V Ceramic	AA
C 6051	VCCCTV1HH470J	S	47p 50V Ceramic	AA
C 6052	VCCCTV1HH680J	S	68p 50V Ceramic	AA
C 6053	VCKYTV1EF334Z	S	0.33 25V Ceramic	AB
C 6054	VCKYTV1EF334Z	S	0.33 25V Ceramic	AB
C 6055	VCCCTV1HH330J	S	33p 50V Ceramic	AA
C 6056	VCCCTV1HH391J	S	390p 50V Ceramic	AA
C 6057	VCCCTV1HH331J	S	330p 50V Ceramic	AA
C 6058	VCCCTV1HH470J	S	47p 50V Ceramic	AA
C 6059	VCCCTV1HH680J	S	68p 50V Ceramic	AA
C 6060	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 6061	VCCCTV1HH330J	S	33p 50V Ceramic	AA
C 6062	VCCCTV1HH391J	S	390p 50V Ceramic	AA
C 6063	VCCCTV1HH331J	S	330p 50V Ceramic	AA
C 6064	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 6065	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 6066	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6067	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6068	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6069	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 6070	VCCCTV1HH150J	S	15p 50V Ceramic	AA
C 6071	VCCCTV1HH150J	S	15p 50V Ceramic	AA
C 6072	VCCCTV1HH330J	S	33p 50V Ceramic	AA
C 6073	VCCCTV1HH330J	S	33p 50V Ceramic	AA
C 6074	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6075	VCKYTV1HF153Z	S	0.015 50V Ceramic	AA
C 6076	VCKYTV1HF153Z	S	0.015 50V Ceramic	AA
C 6077	VCKYTV1HF153Z	S	0.015 50V Ceramic	AA
C 6078	VCKYTV1CF105Z	S	1 16V Ceramic	AB
C 6079	RC-FZ9223BMNJ	J	0.022 63V Mylar	AB
C 6080	VCEAGA1HW106M	S	10 50V Electrolytic	AA
C 6081	VCCCTV1HH221J	S	220p 50V Ceramic	AA
C 6082	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6108	VCKYTV1EF334Z	S	0.33 25V Ceramic	AB
C 6109	VCKYTV1CF105Z	S	1 16V Ceramic	AB
C 6110	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6301	RC-FZ9684BMNJ	J	0.68 63V Mylar	AD
C 6302	VCEAGA0JW337M	S	330 6.3V Electrolytic	AA
C 6303	VCEAGA0JW107M	S	100 6.3V Electrolytic	AA
C 6304	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6305	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 6306	VCCCTV1HH151J	S	150p 50V Ceramic	AA
C 6307	VCCCTV1HH391J	S	390p 50V Ceramic	AA
C 6308	VCEAGA1CW107M	S	100 16V Electrolytic	AB

RESISTORS

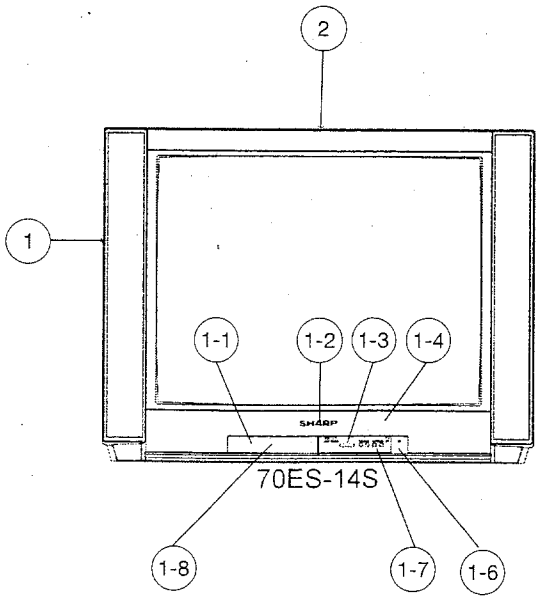
R 6001	VRS-TV1JD182J	S	1.8K 1/10W Metal Oxide	AA
R 6002	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 6003	VRS-TV1JD182J	S	1.8K 1/10W Metal Oxide	AA
R 6004	VRS-TV1JD182J	S	1.8K 1/10W Metal Oxide	AA
R 6005	VRS-TV1JD821J	S	820 1/10W Metal Oxide	AA
R 6006	VRS-TV1JD821J	S	820 1/10W Metal Oxide	AA
R 6007	VRS-TV1JD821J	S	820 1/10W Metal Oxide	AA
R 6008	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6009	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6010	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6011	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6012	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6013	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6014	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6015	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6016	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6017	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6018	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6019	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6020	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6021	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6022	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6023	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6024	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6025	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6026	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6027	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6028	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6029	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6030	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6031	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6032	VRS-TV1JD103F	S	10K 1/10W Metal Oxide	AA
R 6035	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 6036	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 6037	VRS-TV1JD562J	S	5.6K 1/10W Metal Oxide	AA
R 6038	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 6039	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 6040	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA
R 6041	VRS-TV1JD271J	S	270 1/10W Metal Oxide	AA
R 6042	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 6043	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 6044	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 6045	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 6048	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 6049	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 6050	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA
R 6051	VRS-TV1JD271J	S	270 1/10W Metal Oxide	AA
R 6052	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 6053	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 6054	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 6058	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 6059	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6060	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 6061	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 6062	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6064	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 6065	VRS-TV1JD681J	S	680 1/10W Metal Oxide	AA
R 6066	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6068	VRS-TV1JD681J	S	680 1/10W Metal Oxide	AA
R 6069	VRS-TV1JD153J	S	15K 1/10W Metal Oxide	AA
R 6071	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 6072	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 6073	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA
R 6074	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 6075	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 6078	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 6079	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 6080	VRS-TV1JD682J	S	6.8K 1/10W Metal Oxide	AA
R 6081	VRS-TV1JD331J	S	330 1/10W Metal Oxide	AA
R 6082	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA
R 6083	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA
R 6084	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA
R 6085	VRS-TV1JD271J	S	270 1/10W Metal Oxide	AA
R 6086	VRS-TV1JD105J	S	1M 1/10W Metal Oxide	AA
R 6088	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 6089	VRS-TV1JD471J	S	470 1/10W Metal Oxide	AA
R 6090	VRS-TV1JD153J	S	15K 1/10W Metal Oxide	AA
R 6091	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 6092	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 6093	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA

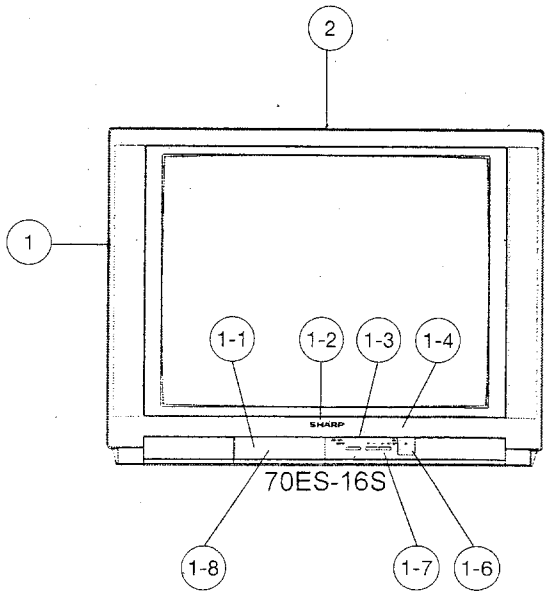
REF. NO	PARTS	★	DESCRIPTION	CODE
R 6094	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 6096	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 6097	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6098	VRS-TV1JD331J	S	330 1/10W Metal Oxide	AA
R 6099	VRS-TV1JD680J	S	68 1/10W Metal Oxide	AA
R 6100	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 6101	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 6102	VRS-TV1JD334J	S	330K 1/10W Metal Oxide	AA
R 6103	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 6104	VRS-TV1JD475J	S	4.7M 1/10W Metal Oxide	AA
R 6105	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 6106	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 6107	VRS-TV1JD564J	S	560K 1/10W Metal Oxide	AA
R 6301	VRS-TV1JD821J	S	820 1/10W Metal Oxide	AA
R 6302	VRS-TV1JD273J	S	27K 1/10W Metal Oxide	AA
R 6303	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 6304	VRS-TV1JD471J	S	470 1/10W Metal Oxide	AA
R 6305	VRS-TV1JD824J	S	820K 1/10W Metal Oxide	AA
R 6306	VRS-TV1JD105J	S	1M 1/10W Metal Oxide	AA
R 6307	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 6308	VRS-TV1JD150J	S	15 1/10W Metal Oxide	AA
R 6309	VRD-RA2BE272J	S	2.7K 1/8W Carbon	AA
C 6047	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA

MIISCELLANEOUS PARTS

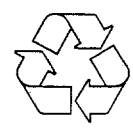
(KA)	QPLGN0641CEZZ	S	Connector	AB
(RGB)	QPLGN0441CEZZ	S	Connector 4pin	AB
(RGB)	QPLGN0441CEZZ	S	Connector 4pin	AB
(YA)	QPLGN1285CEZZ	S	Connector	AD
(YB)	QPLGN1285CEZZ	S	Connector	AD
(YC)	QPLGN1285CEZZ	S	Connector	AD

REF. NO	PARTS	★	DESCRIPTION	COD
MISCELLANEOUS PARTS				
⚠	CACCZ2049WEV5	S	AC Cord	AR
	RCORF2096FFZZ	S	Ferrite	AD
	RRMCG1061BMSA	S	Remote Control Unit	AW
	TINS-6609BMN0	S	Operation Manual 70ES14S	AX
	TINS-6608BMN0	S	Operation Manual 70ES16S	AS
	VSP1306PB067S	S	Speaker 12W 8 ohms	AR
CABINET PARTS				
1	CCABA1232BMV0	S	Front Cabinet 70ES14S	BF
1	CCABA1228BMV0	S	Front Cabinet 70ES16S	BF
1 - 1	GDORF1053BMSA	S	Door 70ES14S	AD
1 - 1	GDORF1052BMSA	S	Door 70ES16S	AD
1 - 2	HBDGB3013MESB	S	Badge SHARP	AH
1 - 3	HDECQ0041BMSA	S	Window Led 70ES14S	AC
1 - 3	HDECQ0038BMSA	S	Window Led 70ES16S	AC
1 - 4	HDECQ0042BMSA	S	Window Power 70ES14S	AC
1 - 4	HDECQ0037BMSA	S	Window Power 70ES16S	AC
1 - 6	JBTN-1052BMSA	S	Button Power 70ES14S	AC
1 - 6	JBTN-1048BMSA	S	Button Power 70ES16S	AD
1 - 7	JBTN-1053BMSA	S	Button Up/Down 70ES14S	AC
1 - 7	JBTN-1049BMSA	S	Button Up/Down 70ES16S	AC
1 - 8	PKAI-1083BM00	S	Door Latch	AF
2	CCABB1083BMV0	S	Rear Cabinet	BB





SHARP



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